

## NEWS SUMMARY

## GENERAL

## Heath warns South Africa

Former Prime Minister Edward Heath gave South Africa a stern warning that the West would not help in the event of a Russian threat unless all South Africans had the vote.

Mr Heath was speaking in Johannesburg at the opening of a conference on Southern Africa in the world.

"Unless and until the dismantlement of apartheid is assured, it would be a grave mistake for South Africa to base her strategy on the assumption that when the chips are down the West will stand with her," he said. *Angola fighting.*

**Back Page**

## Carnival climax

London's Notting Hill carnival reached its climax yesterday afternoon. Crowds were thinner, despite sunny weather, and police reported only 10 arrests. **Back Page; Men and Matters.**

**Page 16**

## Israel protests

Israel's ambassador to France will protest to President Mitterrand today over the French Foreign Minister's weekend meeting with PLO leader Yasser Arafat. **Page 2**

## Budget cut plan

The West German Government may cut the growth of its 1982 budget by even more than planned a month ago. **Back Page**

## 20 injured

Twenty were injured when a bomb exploded in the car park at the U.S. and NATO European air force operations headquarters at Ramstein, West Germany.

## Brighton brawls

Hundreds of police split up groups of brawling mods, skinheads and punks in Brighton last night. Earlier, five youths were fined a total of £1,200 after Sunday's disturbances.

## Aberfan threat

Parents at Aberfan, South Wales, threatened to keep their children from school because of fears about an underground fire at a nearby coal tip.

## Women drowned

A woman drowned after trying to save two children swept out to sea on an airbed off Seaton, Devon. The children survived.

## Ban N. Zealand'

The Supreme Council for Sport in Africa will campaign for New Zealanders to be barred from the Athletics World Cup in Rome next week because of sporting links with South Africa.

## Test latest

Australia were 344-9 at the close of play in the Sixth Test against England at the Oval. *Dirk Wellham* made 103. **Cricket, Page 15**

## Second chance

A Cypriot woman with two sets of reproductive organs gave birth to her second child in Nicosia. She now has one from each womb.

## Briefly ...

Airline pilot David Watt won the British Gliding Championship at Dunsfold.

Home-made parcel bomb addressed to President Reagan was found in a Detroit postbox.

Concorde is to fly further from Canada's east coast to reduce noise pollution.

Bomb damaged a Lebanese airliner after it landed in Beirut from Libya. **Page 18**

## BUSINESS

## Coffee nations seek rise in prices

## Tehran mourners call for further purge as leaders are buried

BY TERRY POVEY IN TEHRAN

IRAN's President and Prime Minister, assassinated in a bomb explosion on Sunday, were buried yesterday at a funeral attended by hundreds of thousands of Iranians. The funeral in Tehran brought calls for immediate reprisals against the assassins blamed for the assassination.

President Mohammad Ali Rajai and Prime Minister Javad Bahonar, were killed in the bomb explosion and subsequent fire at the Prime Minister's office building in central Tehran.

One report yesterday said eight people had died and 23 had been injured in the bomb attack.

Among those reported as injured was Colonel Vahid Dastgerdi the head of the national police force and General Sharafshah, the Acting Commander of the ground forces, as well as senior representatives of the paramilitary gendarmerie and the joint Chiefs of Staff.

Representatives of the state security organisations would also have been present at the meeting as would officials from the revolutionary guards.

The call for reprisals came from Ayatollah Rabbani Amjashi, the Prosecutor General, who told mourners that "the nation demands from all the revolutionary prosecutors in the country that their court should be truly Islamic."

They should act as did Imam Ali, one of the first leaders of Shi'ite Islam, who "chopped off the heads of 4,000 in one day," he said.

"Khalkhali's courts must be set up again," the crowd shouted back. The courts of Ayatollah Khalkhali are well known for

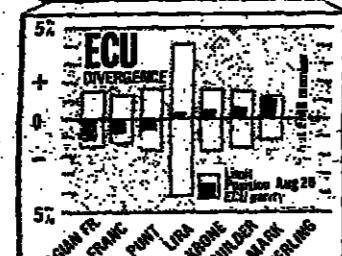
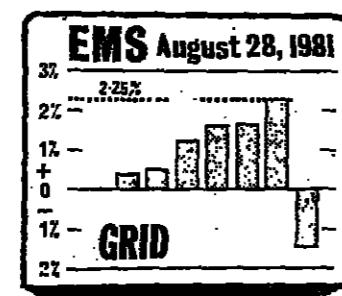


Mourners call for revenge during yesterday's double funeral in Tehran.

their rapid ways of dealing out justice, more often than not

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Background, Page 2; Editorial Comment, Page 16



## Union support sought for Silkin

BY JOHN LLOYD, LABOUR CORRESPONDENT

STRUCTORS LEFTISTS are being made to swing sufficient union support behind Mr John Silkin in his campaign for deputy leadership of the Labour Party to ensure that he survives into the second ballot.

If he is not knocked out in the first round ballot, the union leaders involved believe, he would then have the best chance of all the candidates of securing outright victory. They assume that Mr Tony Benn would drop out on the first ballot, and that Mr Silkin would then pick up the vast majority of the constituency parties and a large number of centre-left MPs, and could then beat Mr Denis Healey.

The key to Mr Silkin's hopes of success in the first ballot lies with the two general unions, the Transport and General Workers (TGWU) and the General and Municipal Workers.

which between them represent about 2m affiliated members, around one-third of total union affiliations to the Labour Party.

The Transport and General Workers Union, which sponsors Mr Silkin as an MP, is expected to cast its votes for him. It is believed to have been active in persuading other unions in the centre and left to follow suit in order to block the candidacy of Mr Benn, whose success, it is felt, would divide the party.

The GMWU will decide its choice at its executive committee meeting next month following consultation among its membership. It had been thought certain to vote for Mr Healey—but that is now in doubt.

Other unions on the left could also come under TGWU pressure to vote for Mr Silkin. The National Union of Public

Employees (NUPE), which commands some 600,000 votes and is the party's fourth largest affiliate, is a possible supporter.

Mr Silkin has already secured the support of two small unions, the National Union of Agricultural and Allied Workers and the National Union of Seamen.

Mr Silkin has appeared confident of victory. He has pointed to the unions as the source of his strongest support.

He has worked hard, in his public pronouncements, at presenting himself as a middle-way between Mr Healey's refusal to endorse elements in recent party policy and the intolerance and sectarianism of Mr Benn's supporters.

Healey campaigners move to eliminate Silkin. **Page 4; Lombard, Page 14**

interview: "We have to keep restraining the growth of money and credit." He added: "We intend to stick with it" in reference to the Central Bank's restrictive monetary policy and also predicted "a rough period" in which monetary restraint will collide with high demand for money and credit.

Mr Volcker also acknowledged that Wall Street was increasingly losing confidence in the Reagan Administration's economic programme. "After years of disappointment, disappointment in pledges to balance the budget and hoping that inflation would come down ... there's a certain natural scepticism out there, and we've got to work through that scepticism," he said. But he argued that monetary policy had to carry a "very heavy" part of the burden in fighting inflation.

Continued on Back Page

U.S. Bonds, Page 19

**E in New York**

	Aug. 28	Previous
Spot	\$1,8550-8560	\$1,8530-8540
1 month	0.68-0.75 pm	0.73-0.80 pm
5 month	2.23-2.28 pm	2.35-2.45 pm
12 months	6.78-6.88 pm	6.88-7.05 pm

## West Midland workers 'may face pay cuts'

BY ARTHUR SMITH, MIDLANDS CORRESPONDENT

WAGE CUTS may be on the way for some Midland workers, according to Mr Ted Parkes, vice-chairman of the West Midlands region of the Confederation of British Industry.

Wages had been cut during the 1980s and, because of the depth of the recession, some companies were again considering the possibility following the example set by Pan American World Airways. Pan Am last week started discussions with UK unions about a 10 per cent pay cut, less inflationary than the 10 per cent cut imposed by British Airways.

The apparent lack of shop-floor militancy within BL is mirrored in engineering. Many companies believe that, whatever the outcome of national pay talks on minimum rates now under way, they may negotiate less inflationary pay cuts worldwide.

Mr Parkes forecast that the West Midlands, once renowned for its militant workers, would set the pace in bringing down pay settlements to "the very low single figures." Most deals were already being struck at below 5 per cent. Many companies were deferring any increase.

"It is no longer a question of talking about what companies can afford to pay but what their customers can afford. There is no more money in the kitty," he said last night.

Major Peter Forrest, chairman of the West Midlands Engineering Employers' Association, said yesterday there was a mood of realism among workers. "Keeping your job is now so important. Employees know that if they get a silly wage rise job will go."

Shop-floor militancy has crumbled in the West Midlands, where unemployment has more than doubled in just 12 months. The level of jobs, already at 14.8 per cent, is rising faster than the national average—and employers are warning of another round of redundancies and possible closures.

Some union leaders privately admit their weakness. "Workers are demoralised and know there is no point in industrial action," according to one regional official.

The BL Cars pay talks on a scheduled November 1 review

he noted.

## Export demand improves

BY PETER RIDDELL, ECONOMICS CORRESPONDENT

EXPORT DEMAND for British manufactured products has begun to recover, following the fall in the pound against the dollar, the Confederation of British Industry's monthly trends inquiry shows this morning.

The inquiry, conducted in the first three weeks of August, provides further confirmation of the flattening out of the recession and indicates that any recovery is likely to be sluggish. This is in line with other recent surveys, forecasts and statistics suggesting that the

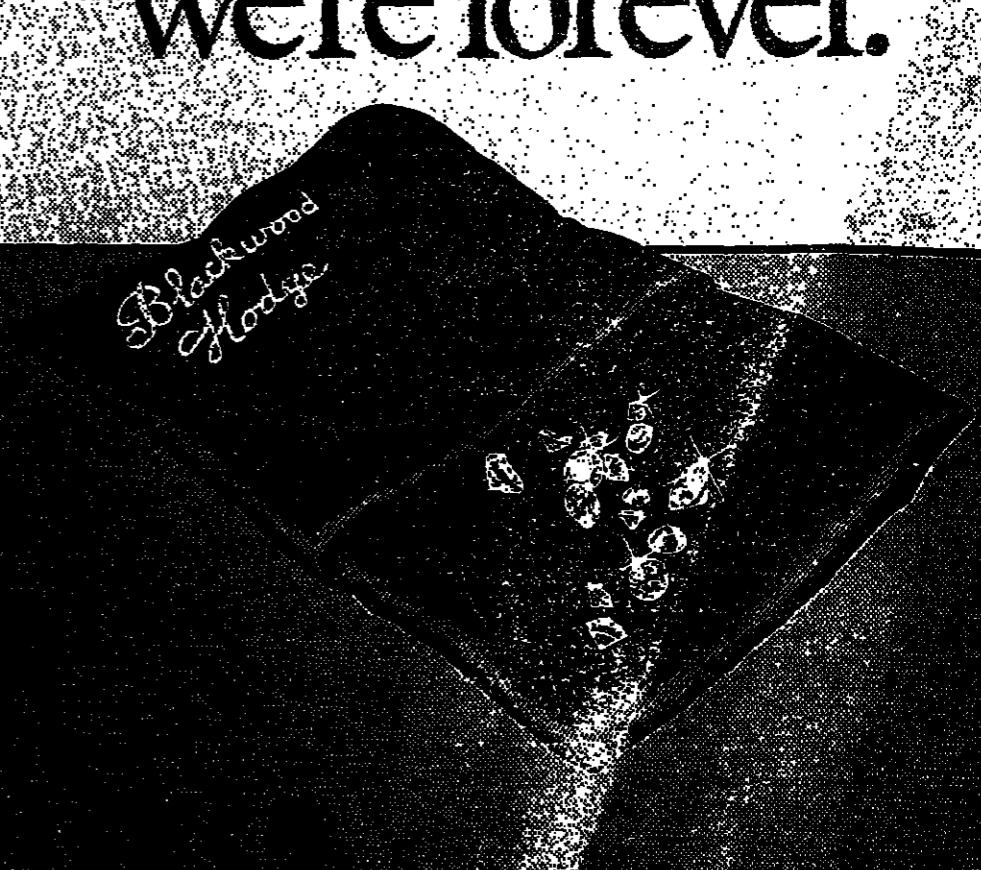
worst of the recession may be over.

The most positive point is the outlook for exports. There has been a sharp fall in the proportion of companies reporting below, rather than above, normal export order books. The balance is minus 44 per cent now compared with minus 60 per cent in April, though this

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Howe ready for battle, Page 4; Vickers say jobs, Page 4; Brokers say rates may rise, Page 6

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## Balsemao forms new Portuguese Cabinet

By Diana Smith in Lisbon

SR Francisco Pinto Balsemao, leader of the Portuguese Social Democrats, has formed a Cabinet. He will announce his team today to President Antonio Ramalho Eanes and the Government will be sworn in on Thursday or Friday.

A week ago, Sr Balsemao was invited by President Eanes to form a government—his second since January. He resigned as Premier on August 10 in a move aimed at defeating noisy diversions in his own party and in the Christian Democratic Party, second strongest group of the ruling alliance.

The move worked: his opponents could not offer a suitable alternative. Having urged his former adversaries to take his side, Sr Balsemao agreed to return as Premier.

His second administration will be Portugal's eighth constitutional government since free general elections were restored in 1976. It has a strong stress on economic management and will also enjoy the presence of the Christian Democrat and monarchist leaders. Sr Balsemao insisted on this before he would agree to return.

Sr Diogo Freitas do Amaral, Christian Democrat chief, will be Deputy Premier and Minister of Defence. The defence portfolio has been held by representatives of his party since the three-party alliance won a parliamentary majority in the 1979 snap election.

The leader of the environmentally-minded monarchists, Sr Gonçalo Ribeiro Teles, will be Minister of State with special responsibilities for the quality of life.

To strengthen the means with which to attack a \$1.3bn balanced of payments deficit, 17.8 per cent inflation, and a simultaneous need for rapid economic growth, Sr Balsemao has given a new Ministry of Economy and Finances to Sr Joao Salgueiro, a respected economist.

Sr Salgueiro has been jointly head of the state-run national development bank and the foreign investment institute. He emerged as a bright young economic thinker in the late 1940s, and this will be his first Cabinet post.

## OECD report is critical

By Our Foreign Staff

THE OECD last night published a gloomy and extremely critical report on the economy of Portugal, the second-poorest country within the organisation as measured by GDP per head.

"The short-term forecasts drawn up by the secretariat suggest that the economic situation will deteriorate fairly sharply in 1981 and the greater part of 1982," the report said.

In figures, the secretariat forecasts a growth of GDP this year by 3.4 per cent, shrinking to 3 per cent in 1982, as against 5.5 per cent in 1979. More recent estimates from Lisbon go even lower to only 3 per cent in 1981. The OECD records a rise of the consumer price index of 16.6 per cent in 1980, rising to 18.7 per cent both this year and next.

It forecasts that the trade deficit will increase from \$4.2bn in 1980 to \$4.6bn (£2.4bn) this year and \$4.8bn in 1982. Income from tourism and the remittances of Portuguese working abroad brighten that picture a little. The current external account last year was in deficit by \$1bn, equivalent to 4.3 per cent of GDP. For this year the forecast is a deficit of \$1.6bn.

## ANGER AFTER CHEYSSON-ARAFAT TALKS

# Israel plans protest to Mitterrand

BY DAVID LENNON IN TEL AVIV

ISRAEL's ambassador to France will deliver a sharp protest to President François Mitterrand in Paris today over the weekend meeting in Beirut between the French Foreign Minister and the head of the Palestine Liberation Organisation, Mr Yasser Arafat.

The Israeli Foreign Ministry yesterday denounced the Sunday's meeting between Mr Arafat and the Foreign Minister, M Claude Cheysson, which it said had given a blow to the Middle East peace process and "would encourage extremist violence."

The French minister and PLO leader met for 50 minutes at the home of Lebanese Premier Shafik al-Wazzan, a neutral site chosen after a diplomatic squabble over whether the two should meet at the PLO head-

quarters or the French ambassador's residence.

Israel, which opposes any recognition of the PLO, was particularly angry that the meeting took place only a day after a Palestinian attack on the main synagogue in Vienna left two people dead and 20 injured.

Israel's ambassador in Paris, Mr Meir Rosenne, will use the opportunity afforded by today's meeting with President Mitterrand, which had been arranged some weeks ago, to protest the meeting with Mr Arafat.

DAMASCUS — M Cheysson flew to Latakia, Syria, yesterday, to meet President Hafez Al-Assad after talks in Damascus with Mr Abd Halim Khaddam, Foreign Minister.

A Syrian Government official said the two Foreign Ministers

met for two hours and discussed bilateral relations, the Middle East and international problems.

France and the PLO have apparently agreed to hold more contacts on the Middle East. Mr Arafat declared after the Beirut talks with M Cheysson that they would meet again but did not say when or where.

Arab diplomats said that two of Mr Arafat's closest aides, Mr Farouk Kaddoumi and Ahmed Sidki Dajani, will visit Paris soon for talks. Mr Kaddoumi, who heads the PLO's political department, and Dr Dajani, who is a member of the PLO's 15-man executive committee, attended the talks between Mr Arafat and M Cheysson.

M Claude Cheysson (right)



## Wages pressure tests French Government

BY DAVID HOUSEGO IN PARIS

A TEST of the French Government's ability to contain the country's accelerating inflation rate will emerge in the coming weeks during consultations between the Government and the main labour unions over the level of public sector wage settlements.

Prices in July rose faster than in any single month since January 1980 with an increase of 1.7 per cent in the consumer price index. Although this increase reflected some exceptional factors, there is expected to be continuing upward pres-

sure on the rate in the months ahead as the strength of the dollar is reflected in the rise in import prices.

A further major determinant of the rate will be the level of public sector wage increases which are bound to influence private sector settlements.

The Communist-dominated General Confederation of Labour (CGT), the largest union in the country, has already drawn attention to July's inflation figures. It warned that under a left-wing government there should be no decline in

workers' purchasing power, but a real increase for those at the bottom of the pay scale.

A report in the Communist daily *L'Humanité* also said that the current inflation rate risked undoing the benefits of the rise in the minimum wage and social allowances that the Socialist administration announced on coming to power.

The unions have yet to fix precise wage demands. The CGT, however, is asking for a 10 per cent increase in real purchasing power for the

800,000 workers on the minimum wage as from today. The minimum wage is raised 3.7 per cent from today to FF 3,017 (5274) a month in line with a price threshold system. The union also wants a selective freezing of some consumer prices which M Jacques Delors, Minister of the Economy, is

recommending.

The Government's fear of any further rise in the minimum wage is that it could have a knock-on effect on wage levels through the rest of industry.

## Machine tool gloom

Confirming high U.S. interest rates and an increasingly uncertain economic outlook have further depressed the country's machine-tool industry which reported a

July 27 per cent drop in orders last month.

## Flights suspended

Golden Gate Airlines, one of the largest U.S. commuter airlines, said it suspended all operations last Saturday because of the impact of the four-week air traffic controllers strike, Reuter reports from Monterey.

## Pulp mills run again

British Columbia's pulp mills resumed production yesterday, after successful mediation by the province's Labor Relations Board and the Provincial Labor Minister Jack Heinrich. The mills have been closed since July 16 over a pay dispute, writes Victor Mackie in Ottawa.

## Kampuchea offer

Kampuchea has offered to ask Vietnam to withdraw the bulk of its troops from its territory provided Thailand stops supplying arms to the supporters of the former Pol Pot regime and confines them to camps away from the border, writes K. K. Sharma in New Delhi.

## Fish 'war' talks

The Norwegian and Danish Foreign Ministers will meet in Copenhagen later this week to try to resolve a "war" over rights to fish in waters between East Greenland and Jan Mayen Island, reports Hilary Barnes in Copenhagen.

## Protest to N. Korea

The U.S.-led United Nations command meets North Korea at the Korean border village of Paju on Wednesday to protest against the firing last August 19 of a North Korean missile at a U.S. spy plane. Reuter reports from Seoul.

## Honecker meeting

Herr Erich Honecker, East German leader, yesterday met Bonn's envoy to East Berlin in the latest move aimed at arranging a first summit conference between leaders of the two German states, AP reports.

## Indian loan request

India yesterday asked the World Bank to lend it \$120m (£65m) to conduct seismic surveys and exploratory drilling in onshore and offshore areas of the southern Andhra Pradesh state, Reuter reports from New Delhi.

# Delors revives idea for two-tier interest rates in Europe

BY DAVID HOUSEGO IN PARIS

M JACQUES DELORS, the French Minister of Economy, has revived an idea he put forward in July for a two-tier interest rate structure for European currencies.

The timing reflects French concern that continually high interest rates originating from the U.S. will further stifle the Socialist administration's attempts to stimulate the economy.

M Delors repeated his proposal in Denmark over the weekend during discussions with Mr Ivar Noergaard, the Danish Economic Minister. Such a scheme would involve the creation of a European reserve currency with domestic interest rates split from an international rate which would be allowed to compete with the dollar.

At the French Ministry of Finance yesterday, it was being emphasised that M Delors' idea was no more than that and that no detailed studies had been carried out.

The French are well aware of the technical and political objections to the idea. Officials said it had been put forward because of the problems high interest rates posed in Europe as between high U.S. interest rates and the pressure this was putting on European currencies in the foreign exchange markets.

The proposal does, however, mark the revival of French pressure for co-ordinated action over interest rates. This was softened after the Ottawa summit when the French realised there was no budging the U.S. on monetary policy and when they expected interest



M Jacques Delors

rates to come down anyway.

Stewart Fleming adds from Frankfurt: It is understood that in the Franco-German discussions in July before the Ottawa summit M Delors raised the possibility of finding some mechanism through which a two-tier interest rate level could be established in Europe as a way of breaking the link between high U.S. interest rates and the pressure this was putting on European currencies in the foreign exchange markets.

In public the German Government has been careful not to appear too sceptical about the practicality of such an idea, because it does not want to cloud Franco-German relationships. However, it sees major problems with any such initiative.

## U.S. decision to publish Soviet secrets welcomed

BY BRIDGET SLCOM

THE U.S. Government's decision to publish previously secret information about the worldwide Soviet military build-up has been warmly welcomed by the Ministry of Defence in London.

According to British officials, the book will be issued under the imprint of the Pentagon and Mr Casper Weinberger, U.S. Secretary for Defence. Already it is being irreverently dubbed "Casper's little red book."

However, U.S. State Department officials maintained at the weekend that the material which they say is not yet nearing completion in book form — will be made available in the first instance only to European Defence Ministers. It will be up to them, say the officials, to decide how to use the material.

The idea of the book originated in last April's meeting of Nato's Nuclear Planning Group which discussed the controversial decision to base nearly 600 U.S. cruise and Pershing 2 missiles in Europe against the background of a "grim and sombre" assessment of the Soviet military threat presented to the assembled Defence Ministers by Mr Weinberger.

According to a Pentagon spokesman, the book will be "the most massive de-classification of previously secret material in our history."

However, though the material is being published at the specific request of Nato Ministers of Defence, who believe that it may help them in their effort to win public support for increasingly controversial defence policies, there remains confusion as to when and how the book will be released.

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The demonstration came at the end of a week-long series of meetings and concerts in Bilbao to promote alternative energy. It served to underline the leadership of ETA and its political front, Herri Batasuna in the anti-nuclear campaigns in the Basque country.

## Spanish N-plant protest

BY OUR MADRID CORRESPONDENT

AN ESTIMATED 10,000 demonstrators took part in a protest march in Bilbao on Sunday demanding the dismantling of the nearby Lemoniz nuclear plant which is being constructed by the Iberdrola utility company.

The demonstration turned into a show of force for the guerrilla organisation ETA which has been responsible for regular bomb attacks on Lemontz and on Iberdrola power stations for several years.

The march ended in scuffles with police when ecologist slogans were replaced by calls for the release of ETA prisoners. One woman suffered a fractured skull after riot squads fired rubber bullets.

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The former Iranian President, Abolhassan Banisadr yesterday denied having any role in planning the bomb explosion that killed his successor as Head of State, Mr Ali Rajai and other prominent Iranians. David Housego writes from Paris.

However, the opposition's real success has been to bring the Government down to its own level, making it appear as just one of the combatants in an increasingly violent power struggle.

Alongside this has gone the determination of the regime to pursue policies which are unpopular at the moment when it needs popularity least. Instead of showing magnanimity towards those it vanquished, it has tended to reveal a spirit of revenge; instead of a quiet programme for loyal support from officials and others, a new round of purges is being launched.

It is within this atmosphere that speculation that Sunday's bomb was an "inside job" is significant. For even if the most protest and screened circles there exists those willing to carry out such acts, their stability and security could be a long time coming.

For its part, the opposition whose backbone is the People's Mojahedin is still a considerable distance away from overthrowing Ayatollah Khomeini. Its aim

appears to be to inflict continuing blows on the regime by removing its leaders and, by so doing, to divert it away from the many critical problems it faces.

Mr Massoud Rajavi, leader of the People's Mojahedin, claimed recently that his organisation had "at least some 12,000" guerrillas underground in Iran, with a network largely unbroken by the arrests of the past two months.

It would be wrong to suggest that the death of President Rajai and Premier Banisadr would lead automatically to the downfall of Ayatollah Khomeini's Islamic Republic.

But what is clear is that the regime's response to the violent actions of its opponents has not worked and that more of the same will not necessarily work either.

The danger remains that in their anger and frustration the new leaders in Tehran will continue to fall into the trap set for them by their enemies. In so doing they may rob themselves of the legitimacy, based perhaps only on a limited consensus, that must be the basis of any regime in post-revolutionary Iran for at least the foreseeable future.

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## New pact tightens Soviet economic ties with Vietnam

BY OUR MOSCOW CORRESPONDENT

THE SOVIET UNION and Vietnam have signed a long-term intergovernmental agreement which contains an extensive programme of power engineering in Vietnam and underlines the growing economic links between the two countries.

Task, the Soviet news agency, says, the new five-year agreement (1981-85) between the Soviet Union and Vietnam will cover several major projects in power engineering and Soviet experts will draw up a master plan for the development of electric power engineering in Vietnam until the year 1990, the report said.

The three large Soviet-assisted projects to be completed under the programme comprise: the 280,000-kW electrical power station at Chian, a 640,000-kW thermal electrical plant at Falal and a Black River hydro engineering complex in the north. This last complex is Vietnam's biggest and will have a 920,000-kW power station.

Soviet-Vietnamese trade stood

last year at Roubles 612.4m (2437m) with exports of Soviet goods to Vietnam at Roubles 454.9m. Vietnamese exports to the Soviet Union were, as in recent years, at a low level totalling Roubles 157.5m.

Soviet exports to Vietnam are mainly industrial equipment. Soviet oil deliveries amounted to only Roubles 38.2m. The new

agreement seeks a gigantic trade increase of 90 per cent by 1985.

As advocated by the Soviet Union and in line with practice of international work sharing in the Comecon group of nations, of which Vietnam is a member, Vietnam will be given the task of supplying more agricultural products and textiles to the Soviet Union in return for machines delivered.

The plan foresees Soviet help in increasing production of the Kaoshiung coal mines from 2m tons to 3m tons a year by 1985. The Vangzian mining complex will also be enlarged to increase production from the current 800,000 tons to 1.8m tons.

The Soviet Union is financing this industrialisation programme through credits which Task says will be on "easy terms."

Cotton, at Roubles 23.5m is

already the largest item of

Vietnam's exports to the Soviet

Union, and the agreement calls

for a Soviet feasibility study to

develop a new cotton growing

area in Vietnam of 25,000

hectares.

The Soviet Union also will provide aid to build up an initial coffee growing area of 20,000 hectares.

Implicit in the agreement is the fact that Moscow intends to build a network of economic links making Vietnam a stronger member of the Comecon bloc.

The Soviet Union also will provide aid to build up an initial coffee growing area of 20,000 hectares.

Earlier work done by GKN Contractors in Zaire includes railway reconstruction and the construction of six regional airports, but the mines contract is the company's first major involvement in Zaire since 1977.

• Haden Drysys, once known as Carrier Engineering, a part of the Haden Group, has won what it thinks is the largest single order for the design and installation of car paint plants. It is a £20m contract from General Motors.

The company also asked for clarification of the Administration's position on East-West trade. "No reply has gone out," AP-DJ

## Bid for truck sales to Russia

WASHINGTON — The Commerce Department is reviewing a letter from a U.S. manufacturer asking whether it would approve resumption of equipment sales to a heavy truck manufacturing plant in the Soviet Union.

Mr Malcolm Baldrige, the Commerce Secretary, has received a letter from Ingersoll

Rand, seeking the Administration's likely views on any request for export licences for sales of equipment to the truck plant on the Kama River in the Soviet Union, a Department official said.

The company also asked for clarification of the Administration's position on East-West trade. "No reply has gone out," AP-DJ

## Singapore seeks aviation growth

BY MICHAEL DONNE, AEROSPACE CORRESPONDENT

MORE THAN 120 companies in the aerospace and related industries will be exhibiting at the Asian Aerospace '81 exhibition at Singapore's Paya Lebar Airport from September 23 to 27.

Singapore is already a rapidly growing overhaul and service centre for world aviation, and it has recently opened a new \$250m international airport at Changi.

Singapore's objective is to expand its interests in aviation, not only in the maintenance and overhaul fields, but also into the manufacture of parts and

equipment for aerospace. Some of this kind of work is already being done for aircraft and engine manufacturers in the U.S. and Western Europe, but a big growth in this activity is sought.

Light engineering in aerospace and electronics, requiring comparatively low initial capital investment in terms of factory space, but with a high unit value for the finished products, is considered especially suitable for the Singapore workforce.

The Paya Lebar exhibition, organised by the Industrial and Trade Fairs group, is intended to show just what can be achieved in Singapore.

Associated with the exhibition is a major two-day conference, organised by The Financial Times, on The Role of South-East Asia in World Airline and Aerospace Development, on September 24 and 25.

Among speakers at the meeting will include Mr Knut Hammarskjold, director-general of the International Air Transport Association; Mr Lim Hock San, director of Civil Aviation in Singapore; Mr Ngiam Tong Dow, chairman of the Singapore Economic Development Board;

and Mr Michael Donne, aerospace

## GKN wins £27.1m mines deal in Zaire

By Our World Trade Staff

GKN CONTRACTORS, the project management side of the Guest Keen and Nettlefolds group, has won its third major contract in Zaire with a £27.1m commission to refurbish and re-equip tin and wolfram mines for Enterpris Miniere du Zaire.

The winning of the contract comes against the background of decline in Zaire mining industry consequent upon financial difficulties, lack of technicians, transport problems and, at least in the Shaba region, a lack of security.

GKN's work, involving the procurement and installation of new equipment, training programmes and transport services, is planned for completion by 1985.

Earlier work done by GKN Contractors in Zaire includes railway reconstruction and the construction of six regional airports, but the mines contract is the company's first major involvement in Zaire since 1977.

• Haden Drysys, once known as Carrier Engineering, a part of the Haden Group, has won what it thinks is the largest single order for the design and installation of car paint plants. It is a £20m contract from General Motors.

The company also asked for clarification of the Administration's position on East-West trade. "No reply has gone out," AP-DJ

Wycoalgas—a subsidiary of Panhandle Eastern Pipeline and Pacific Gas and Electric, to reduce preliminary work on the project's first stage, estimated to cost \$2.34bn (\$1.27bn), and to postpone further planning for an unspecified period.

Ruhrgas said problems arose

## Texas Pacific reaches agreement to export gas from Thailand

BY DAVID BUTLER IN BANGKOK

TEXAS PACIFIC, THAILAND, one of the two Thai subsidiaries of North American oil companies involved in the exploration of the large natural gas reserves in the Gulf of Thailand, has reached an agreement with Thailand's PSA Group of Companies for the liquefaction and export of gas from Texas Pacific's concession.

Mr Paul Sithi-Amnuay, who is chairman of the PSA Group, said that initial investment in the liquefaction plant will be at least \$1bn.

Mr Sithi-Amnuay said the project will turn around the economy of Thailand, and he predicted that the exported gas could eventually earn Thailand \$1bn annually.

Texas Pacific estimates show a total of 7.1 trillion cu ft of

gas in that portion of the concession where it has already drilled. Texas Pacific and Government analysts believe there may be two or three times that much gas in the rest of the concession. Texas Pacific is a subsidiary of the Sun Company of the U.S.

Texas Pacific and the PSA Group must now secure Thai Government approval of their plans.

Mr Sithi-Amnuay said that the project would fall through unless work could commence within 18 months. He said that while there are many sources of supply for natural LNG in the world there are only a few potential buyers among them Japan, South Korea and possibly Taiwan.

Texas Pacific has already in-

vested \$145m in the exploration of the Gulf.

The other company operating in the Gulf is Union Oil of Thailand, whose reserves are believed to be smaller than those of Texas Pacific.

Texas Pacific and the PSA Group must now secure Thai Government approval of their plans.

Mr Sithi-Amnuay said that the project would fall through unless work could commence within 18 months. He said that while there are many sources of supply for natural LNG in the world there are only a few potential buyers among them Japan, South Korea and possibly Taiwan.

Texas Pacific has already in-

## U.S. energy project threatened

BY DAVID BUTLER IN BANGKOK

BONN—A proposed joint U.S.-

West German coal gasification plant project in Wyoming is in danger of being cancelled, according to the West German energy group Ruhrgas, which has a one-third interest in the venture.

The company said it had decided, together with the other two equal share partners,

Wycoalgas—a subsidiary of Panhandle Eastern Pipeline and Pacific Gas and Electric, to reduce preliminary work on the project's first stage, estimated to cost \$2.34bn (\$1.27bn), and to postpone further planning for an unspecified period.

Ruhrgas said problems arose

from sharply increased project costs, uncertainty about U.S. energy policy since the Reagan Administration took office and delays in expected granting of state financial guarantees.

The proposed plant, expected to have an annual output of 1.4bn cubic metres of gas, was announced last December. AP-DJ

## France, E. German trade boost

PARIS—M. Michel Jobert, the

French External Trade Minister, will confer with East German officials next week in an effort to reinforce trade relations between the two countries.

M. Jobert will fly to East Germany on September 6 on the occasion of the Leipzig fair where some 100 French concerns will be present, a brief announcement from his office said yesterday.

The talks will take place against a background of improved trade exchanges between the two countries, with a comfortable surplus in favour of France.

During the first six months of this year French exports in East Germany jumped by 113 per cent to FF 1.3bn (518m) from FF 616m (265m) in the same period in 1980.

Main French exports in the January-June period were capital equipment FF 352m, up 148

per cent over a year ago, spare parts for autos and heavy vehicles FF 347m, up 143 per cent, farm products FF 221m, up 317 per cent, chemicals FF 138m, up 25 per cent, consumer durables FF 116m, up 137 per cent.

During the same period, imports from East Germany rose 6.6 per cent to FF 579m from FF 343m, leaving a net surplus for France of FF 739m, compared with a surplus of FF 194m for all of 1980.

AP-DJ

## World Economic Indicators

INDUSTRIAL PRODUCTION

	Change over previous year					Index	base	
	Index	base	July '81	June '81	May '81	July '80	%	year
U.S.A.	153.4	152.9	153.0	153.0	140.4	140.4	+9.3	1967=100
UK	99.5	98.2	99.1	106.7	106.7	106.7	-6.7	1975=100
W. Germany	116.4	118.7	116.5	120.8	120.8	120.8	-3.6	1975=100
France	110.1	108.6	109.0	116.8	116.8	116.8	-5.7	1975=100
Italy	125.0	124.0	126.8	131.3	131.3	131.3	-4.8	1975=100
	May '81	April '81	Mar. '81	May '80	May '80	May '80		
Japan	142.7	145.0	144.6	143.0	143.0	143.0	-0.2	1975=100
Netherlands	109.0	108.0	110.1	114.0	114.0	114.0	-4.4	1975=100
Belgium	113.8	110.2	112.5	118.6	118.6	118.6	-4.0	1975=100

## SHIPPING REPORT

### Low demand for large oil tankers

By Lynton McLean

of crude oil tankers was limited last week apart from isolated charters from the Gulf oil

The market was "plagued with uncertainty," Galbraith Wrightson Tankers, London brokers, said at the end of the week. Most owners were simply operating on a day-to-day basis with little prospect of being able to plan far ahead.

The failure of the Opec meeting to reach full agreement on crude oil prices was one adverse factor, and one which was not offset by the decision by Nigeria to reduce its crude oil prices. Brokers had hoped that this cut would stimulate demand and counter cuts in production in the Gulf.

Demand for tanker tonnage in the Caribbean Sea, however, improved over the week and freight rates rose as a result. The prospect of the U.S. purchasing large quantities of oil from Mexico was welcomed by owners of tankers, but the start date for shipments was still uncertain.

On the dry cargo markets demand for large bulk grain carriers continued and rates were maintained. The market for smaller vessels, however, remained weak, especially in the U.S. Gulf-to-Japan market.

In Britain, the National Ports Council reported at the end of last week that the fall in the volume of conventional marine cargo traffic is expected to continue to decline. Traffic passing through conventional berths will keep falling and by 1988 is expected to be almost 30 per cent below the level in 1978 with a forecast total of 16 million tonnes likely to be handled.

Much of this traffic is already carried on specialised shipping but the tonnage carried by conventional shipping is expected to fall rapidly, to 3m tonnes, a 50 per cent drop compared with 1978.

## ALAHIL BANK OF KUWAIT (K.S.C.)

US\$25,000,000 FLOATING RATE Note  
The rate of interest of the Notes has been fixed at 10% per cent per annum for the period from August 26, 1981 to February 25, 1982 (each day inclusive).  
Interest will be paid quarterly on August 26, 1981, February 25, 1982 and May 25, 1982.  
The principal amount of US\$57.75 million will be paid on February 26, 1982.

<img alt="A large Hitachi thin-type lithium solid-state battery, showing

## Vickers to provide training for 500

By Barbara Dalzell

**VICKERS.** THE engineering group, is pioneering an engineering training and work opportunity scheme for about 500 unemployed youths.

The scheme has been welcomed by the Manpower Services Commission which is working with Vickers to set up the scheme.

Existing training facilities will be used to provide one-year engineering courses for about 250 people, and 250 work experience places will be offered by the company through the Commission's youth opportunities scheme.

Already, 45 school-leavers have started a one-year engineering course at the Elswick works, Newcastle-upon-Tyne, and 50 youths in the Crewe area are joining a community project organised by Rolls-Royce Motors.

The decision on whether schemes will be set up in other Vickers factories is up to local management but the Vickers managing directors' committee has instructed the operating division to give the scheme full backing.

Mr David Plastow, Vickers chief executive, says: "Vickers, with its engineering heritage, feels it should give a lead in helping solve the problem of youth unemployment. There is a tremendous wealth of talent among our young people which needs pointing in the right direction."

The engineering training scheme was developed after the company held a 13-week training course last year. Vickers felt the scheme did not go far enough and the year-long course was developed.

Vickers is non-committal about how many people will end up with permanent jobs as a result of the scheme.

The Manpower Services Commission is encouraging other companies to set up similar schemes. It hopes tens of thousands of similar opportunities will be available by the end of next year.

• The Government should pay employers a £2,000 subsidy for each new job they created. Mr David Bell, personnel planning manager of United Dominions Trust, the hire purchase and finance group says today.

## Howe comes back ready for battle to maintain his strategy

BY PETER RIDDELL, ECONOMICS CORRESPONDENT

SIR Geoffrey Howe, the weeks, the Cabinet will have to decide on the assumptions on pay and price increases to be included in the spending plans for 1982-83—with major implications for the public sector pay

more pessimistic view being taken of the inflation outlook for next year since the survey assumption was made in the early summer.

The key issue is whether to have a single inflation assumption or—as in the past—to split it between pay and other costs.

The survey by officials of spending plans assured an average inflation rate of 7 per cent between the current financial year and 1982-83.

Ministers will now have to decide whether this is the right figure in the light of the slightly

6 per cent was last winter.

However, if the growth of non-pay costs is significantly faster than of wages, as is likely next year, then two different assumptions may be necessary merely because of the varying proportion of labour costs in individual Government programmes and cash limits.

A further complication is the Government's commitment to the Megaw inquiry on fixing non-industrial civil service pay.

The decision on these assumptions may therefore not be expenditure and Treasury suggestions for possible cuts.

Requests for spending beyond what was planned for 1982-83 in last March's White Paper

amount to about £5bn, of which between £2bn and £3bn represents proposals for additional investment by nationalised industries. This compares with total spending of over £100bn this year.

Over the next few weeks Mr Leon Brittan, the Chief Secretary to the Treasury, and spending ministers will discuss the latter's proposals for additional

and November, leading to a probable statement at the end of November.

Any review by Sir Geoffrey of the broad economic monetary outlook is likely to wait until early October, after he returns from the annual meeting of the International Monetary Fund in Washington and when the initial Treasury forecasts are available.

There may also be a clearer idea by then of the underlying monetary and public-borrowing position.

## British Telecom to open shops

By Michael Cassell

BRITISH TELECOM is to open 40 telephone shops in a bid to fend off competition from the large number of private telephone equipment suppliers expected to take advantage of imminent changes in the law.

When the Telecommunications Act comes into force on October 1, subscribers will be able to lease or buy telephones from British Telecom or purchase them from an independent retailer supplying compatible equipment. Until now, the connection of telephones not supplied by British Telecom has been illegal.

If the customer purchases equipment from either source, however, a rental will still be payable to cover British Telecom installation and operational charges. British Telecom said yesterday that rentals may be reduced on equipment owned by the subscriber, although no decision had yet been taken, and might depend on the extent of competition.

One British Telecom shop selling equipment already operates within Taunton department store and all 40 outlets planned for major centres will be on the same basis. Further shops could follow the first phase, at which time British Telecom might consider self-contained outlets.

The equipment ranges from decorative "period" style telephones, to Mickey-Mouse receivers and electronic memory telephones.

British Telecom said that all equipment installed would have to be approved, but would be vetted by an independent standards body to avoid any suggestion of commercial suppression.

## Healey camp presses Foot to help cut out Silkin

BY MARGARET VAN HATTEM

SUPPORTERS OF Mr Denis Healey are stepping up pressure on Mr Michael Foot, the Labour leader, to back their candidate for the party's deputy leadership in an apparent attempt to ensure the defeat of Mr John Silkin in the first ballot.

Indications of growing union support for Mr Silkin have caused alarm in the Healey camp, for if Mr Silkin should succeed, against expectations, in eliminating Mr Tony Benn after the first round, his chances of defeating Mr Healey in the second are now rated very high.

Mr Silkin has been generally regarded as a non-starter in the contest; nomination lists published at the weekend indicate him to be the first choice of a small minority.

Consequently, Mr Healey's campaign has concentrated on

attacking Mr Benn and the constitutional and policy changes he represents.

Mr Foot's public declaration several months ago that he considered Mr Benn's candidacy to be divisive and damaging to the party was held to be tacit support for Mr Healey and he was not pressed hard for a more positive declaration of support.

However, the indications that the powerful Transport and General Workers' Union, whose leadership supports Mr Silkin, has been lobbying hard on his behalf among other big and as yet uncommitted unions, is leading many to reassess his chances.

Mr Foot's refusal, so far, to back any of the three candidates is beginning to be interpreted as tacit support for Mr Silkin.

Consequently, Mr Healey's

rather than for Mr Healey. It is felt that this, in itself, could influence a large number of uncommitted Labour MPs.

Mr Healey's supporters are now urging Mr Foot to appear at the TUC Congress next week not only to warn unionists of the electoral dangers of supporting Mr Benn, but also give a more direct indication of support for Mr Healey.

However, those close to the Labour leader say he is determined not to state his own preference, at least until after the first ballot, "because it would be unfair to those supporting John Silkin."

Mr Healey's campaign will go into top gear this week when he returns from holidays abroad. He is planning to publish on Thursday a 40-page pamphlet of collected speeches and writings.

outlining his policies on key issues.

On the same day, 20 prominent party members, including members of the Shadow Cabinet, trade union leaders and possibly Mr James Callaghan and Sir Harold Wilson, the two former party leaders, will publish an open letter calling for

Mr Healey's support for Mr Healey.

Mr Callaghan is also planning to back Mr Healey in an interview, due to be published on Thursday, while Mr Healey himself is planning to speak at a Solidarity fringe meeting at the TUC Congress and to take part in a three-way debate there with the other two contenders.

Meanwhile Mr Benn's supporters will this week launch a book setting out his views on party democracy and other policy issues. Mr Silkin, who is presenting himself as the candidate of peace and compromise, is, however, keeping a lower profile.

The campaign in the weeks before the vote on September 27 is likely to focus on resolutions sent to the party conference, published at the weekend.

In particular, attention will be drawn to a set of resolutions supported by 18 constituency parties calling for much greater control by the party as a whole over its MPs.

Presented by the Bennites as part of a move towards greater democracy within the party, they have already been described by the Healey supporters as part of a concerted campaign to reduce MPs to the status of puppets.

## Lloyd's new council to rule on fee

By John Moore

LLOYD'S of London, the insurance market backed by private wealth, has told its 19,000 members that a new ruling council for the market, to be created by legislation, will have to decide whether the council members should be paid for their services.

A Lloyd's paper sent to all members this summer says that the council must decide by by-law whether fees should be paid in the future and whether it is correct for council members to be reimbursed for reasonable and proper expenses incurred by them in attending (council) meetings.

At present the 16 members of the committee of Lloyd's receive no fees.

The new Lloyd's council, the supervisory body of the Lloyd's market which will be created once the new Lloyd's Bill becomes law, will be composed of 16 working members of the Lloyd's market, eight members of Lloyd's who do not work in the market but who put up their capital to allow the market to function, and three outsiders unconnected with Lloyd's.

The 16 working members on the new council will form the Lloyd's committee, which will be responsible for day-to-day affairs affecting the market's conduct. It will continue with existing functions virtually unchanged.

Lloyd's has told its members that there is no doubt that the election will pose problems. The selection of the candidates for whom to vote will not be easy.

Already some 50 members have written to the chairman expressing a wish to stand for election. Underwriting agents (the groups which look after members), have received many more such expressions of intent.

The present committee of Lloyd's believes that the council will have to meet at least twice a month, perhaps for a full day meeting, in the first six to nine months. It may then be appropriate to meet at monthly intervals and thereafter less frequently.

If the council did meet infrequently, it would leave much of the power in the hands of the committee, which meets once a week, and the working members of Lloyd's.

Lloyd's clings to three-year accounts, Page 9

## When 'inaction is desirable'

BY DAVID FISHLOCK

BY DEMANDING instant fixes for long-term problems in our society, people were making sure that most of the important problems would never be solved, one of Britain's leading physicists told the British Association for the Advancement of Science in York last night.

Professor Sir Brian Pippard, Cavendish Professor of Physics at Cambridge University, in the inaugural address to the BA's annual meeting this week, said one of the major challenges facing democracies was whether people could exercise enough self-control to let government get on with its job.

Modern methods of rapid

communication, and the consequent satisfiable demand for immediate information and public criticism of every issue, may appear to herald the dawn of a golden age of democracy, when every man will play his part in a genuinely open society," he said.

Yet it was possible that the whole concept of open Government was incompatible with society.

Control engineers understood that if the corrective action—the feedback—was too strong, there could be no way of stabilising the system.

Engineers had found ways of

but, when translated into political terms, "they all seem to imply the need for limiting the responsiveness of government."

There were circumstances in which a government ought not to acknowledge the existence of a problem, and act upon it, until the problem had been around for quite a while.

"This studied inaction is particularly desirable when the demand for action is strongest," he added.

The philosopher-king, wielding absolute power with disinterested wisdom, could translate such principles into practice. So could a modern dictator.

But a democratically elected government could not afford such detachment, if it hoped for

re-election.

Sir Brian, in an address which attempted to examine the instability and chaos of society through the kind of physical models used to study the weather, for example, paid tribute to the difficulties faced by politicians and social

researchers.

They had challenged problems of "enormously greater complexity" than scientists, he said.

"It would be no bad thing if, at prize-giving ceremonies, it was whispered in the ear of mathematicians and scientists, in their hour of triumph, that they had succeeded because they had chosen to tackle relatively straightforward problems."

The new seminars are a response to recent disturbances

in Britain's inner cities. The first course, aimed at black businessmen, will be in Brixton, South London, on September 19. The speakers will include representatives from Barclays Bank, the Midland Bank and the Industrial and Commercial Finance Corporation.

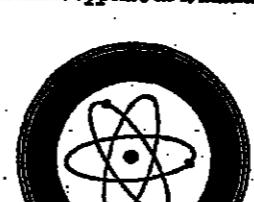
The agency said one of its most important roles was helping new businessmen to find sources of finance.

THE London Enterprise Agency, composed of nine major industrial and banking concerns, is to provide a course of seminars geared to the needs of new businesses among ethnic minority groups.

The agency already runs a training programme as a joint venture with the Greater London Council.

The agency said one of its most important roles was helping new businesses to find sources of finance.

This announcement appears as a matter of record only



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Bank der Bondspaarbanken N.V.

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## Join the Quality Circle

Western businessmen have argued for years that Japanese management practices will not work in American and European companies.

But in an attempt to improve employee motivation, productivity and quality, hundreds of them are now encouraging small groups of employees to band together in what the Japanese call 'quality circles.'

Earlier this year the Financial Times

published a series of eight articles examining this phenomenon and the West's growing concern for product quality. Now reprinted as a 24-page booklet containing the complete series, plus four earlier articles on 'quality circles.'

Available at only £2 including postage and packing, please send cheques or postal orders payable to the Financial Times.

Diana Twain

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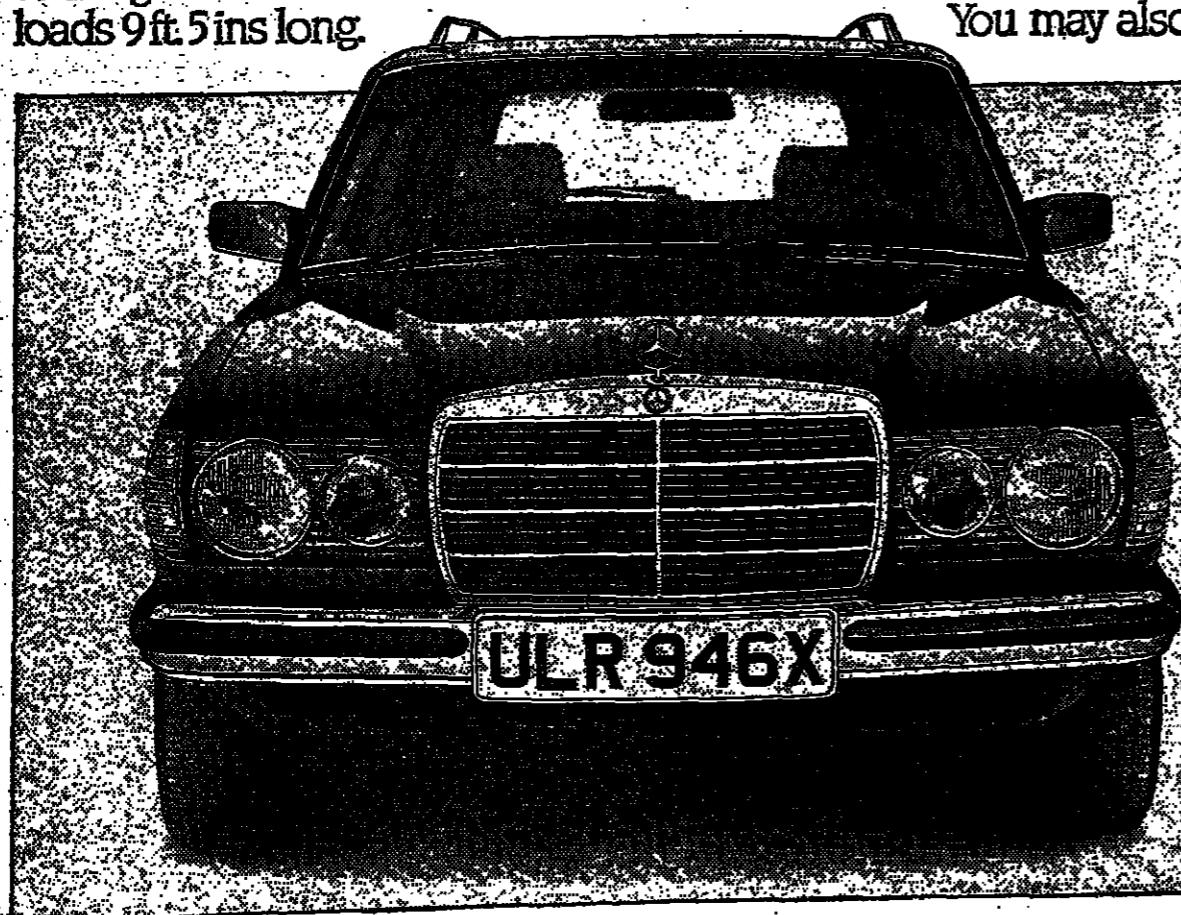
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extra ABS braking system, an innovation so remarkable it's best explained at length by your Mercedes-Benz dealer.

## The 200T and the competition.

The estate which is shown is the new two litre 200T. It can travel at a constant 56 mph\* for 352 miles and consume only a single gallon of petrol.

Start the single overhead camshaft engine and a sensor causes hydraulic fluid to be pumped into the rear shock absorbers to re-adjust the car to its proper equilibrium after being loaded.

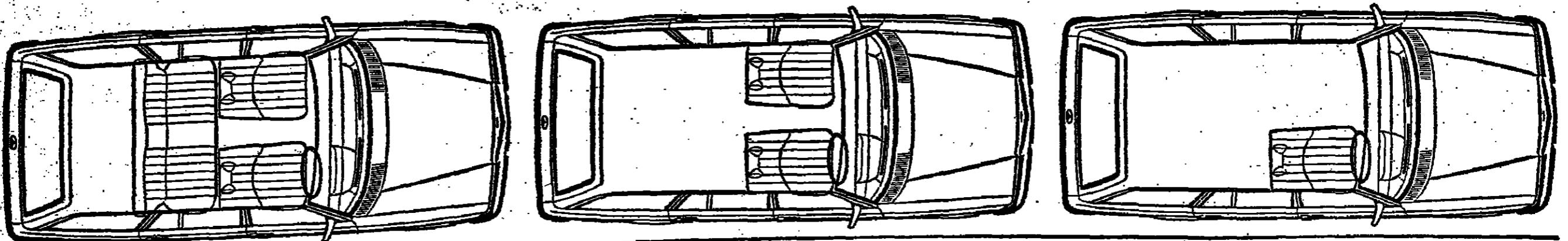
The 200T offers various other advanced engineering features.

But before you decide that this is the estate car you've been waiting for, consider its only two competitors.

The 230TE Estate is a remarkably efficient performer. Similar to the 200T, it has a new light alloy head engine but is 300 cubic centimetres larger and enjoys the added efficiency of fuel injection. Top speed is 112 mph and yet, it can return 33.6 mpg at a constant speed of 56 mph\*.

The very quick 280TE Estate has a fuel injected twin overhead camshaft engine that permits it, where legal, to shift your goods and chattels at 121 mph. It can also cover 25.9 miles for every gallon of petrol consumed at 56 mph\*.

Your Mercedes-Benz dealer can arrange for you to see these three petrol-engined estates or the 2.4 litre and 3 litre diesel models, whichever you prefer. He'll also show you a starting price of £8,950 for the Mercedes-Benz 200T Estate. And, of course, the saloon inside it is gratis. Engineered like no other car in the world.



\*Official fuel consumption figures for the 200T, urban cycle 22.5 mpg (11.6 litres/100km) manual and 22.7 mpg (12.4 litres/100km) automatic. At a constant 56 mph, 35.2 mpg (8.0 litres/100km) manual and 33.2 mpg (8.5 litres/100km) automatic. At a constant 75 mph, 27.5 mpg (10.3 litres/100km) manual and 26.0 mpg (10.8 litres/100km) automatic. For the 230TE, urban cycle 20.2 mpg (14.0 litres/100km) manual and 20.8 mpg (13.6 litres/100km) automatic. At a constant 56 mph, 33.6 mpg (8.4 litres/100km) manual and 32.1 mpg (8.8 litres/100km) automatic. At a constant 75 mph, 26.7 mpg (10.6 litres/100km) manual and 25.0 mpg (11.3 litres/100km) automatic. For the 280TE, urban cycle 18.8 mpg (15.0 litres/100km) manual and 16.5 mpg (17.1 litres/100km) automatic. At a constant 56 mph, 33.2 mpg (8.0 litres/100km) manual and 32.9 mpg (8.5 litres/100km) automatic. At a constant 75 mph, 26.4 mpg (10.7 litres/100km) manual and 21.1 mpg (13.4 litres/100km) automatic.

# Major travel companies heat up holidays battle

BY ARTHUR SANDLES

A STRONG demand for household name package holidays—notably Thomson, Horizon and Intasun—may have given some smaller and medium-sized travel companies a bad year, in spite of an overall growth in the foreign holiday market.

There are now signs that the competition between the majors will be even fiercer next year. Most are planning substantial increases in capacity against predictions of market stagnation or decline.

If the more pessimistic predictions for 1982 are correct, some of the less aggressive companies could find themselves severely squeezed in the resultant marketing battle.

Britain's biggest tour operator, Thomson, sold 1m holidays this year, the first UK operator to hit this mark. It sold 700,000 summer holidays and 322,000 winter sun and ski trips.

Next summer alone, however, it has already set itself a target of 835,000, but is predicting an overall market fall of 5 per cent. Intasun plots a 16 per cent rise to 500,000. Horizon is planning to hit 400,000, which would be an increase of 17 per cent.

All are planning to do this by increasing their market share.

## Britain urged to 'push' quiet lorry

BY LYNTON MC LAIN, TRANSPORT CORRESPONDENT

MR NORMAN FOWLER, Transport Secretary and president of the European Council of Transport Ministers, was criticised yesterday by the Council for the Protection of Rural England for failing to exploit the British invention of the "quiet heavy lorry".

Heavy lorries are controversial and are likely to become even more so later this year if Mr Fowler accepts pressure from the lorry-makers and freight transport interests to raise the current 32.5-tonne maximum laden weight of lorries to perhaps 40 tonnes without imposing strict controls on noise, vibration and pollution.

Britain once had a lead in "quiet heavy lorry" technology. Work was begun on this in 1971 as a joint venture between the motor industry and the Transport

and Road Research Laboratory.

So far, however, says yesterday's protest letter to Mr Fowler by Mr Robin Grove-White, the council's director, nothing has been done by the Government to encourage the technology to be used or exported to other EEC countries—although Britain could once again be exporting its technical know-how for the common good.

The noise of a pre-production quiet heavy lorry built over three years ago was measured as 80 dB (A), less than half as noisy as the 96 dB (A) of the heaviest lorries, equivalent to an unshielded pneumatic drill at 8 yards.

A change of 10 dB (A) is equivalent to a 200 per cent change in perceived noise. The level of 80 dB (A) was recommended by the EEC Commission

in 1977 for lorry noise levels in all member states by 1985.

Mr Grove-White's letter urged Mr Fowler to use his position as the current chairman of the European Council of Ministers of Transport as an "unrivalled opportunity for Britain to take the lead in reducing noise limits to 80 dB (A)."

The letter says that this British invention could "dramatically reduce the growing problem of heavy lorry noise and increase British exports to the EEC," but it was being "starved of publicity and promotional effort by the Department of Transport."

"In discussions with the European Commission's transport directorate, we have been told that the UK Government has been by no means in the forefront of the battle to lower noise limits to 80 dB (A)."

## Performing rights yield up to £39.3m

Financial Times Reporter

FEES collected by the Performing Right Society on behalf of its 13,000 members rose by almost a fifth last year to reach £39.3m, according to the 1981 Performing Right Yearbook.

The society, which represents composers and music publishers, has increased its efforts to ensure that all its members receive fees due to them.

The society has taken court action over the past year against unlicensed music users and has introduced a more effective method of licensing users of background music such as department stores and restaurants.

The society's income from broadcasting in the UK and Ireland amounted to £16.4m, 42 per cent of the total. Revenue from public performances in the UK and Ireland totalled £10.5m and from overseas music users £9.8m.

During 1980, the society increased its membership by 551 to 13,462. Of these, some 10,042 were composers and lyricists, 1,900 music publishers, 23 copyright owners, and 1,137 successors to deceased writer members.

Performing Right Society, 29-33 Berners Street, London W1P 4AA.

### Bright outlook for double-glazing

High energy costs will ensure that double glazing remains a growth area in the window-manufacturing industry throughout the 1980's although the recession may lead to a temporary fall in demand.

A report by ICC Business Ratios, which examines the financial performance of 60 companies in the industry over three years up to mid-1980—predicts that the larger companies in the trade will continue to dominate the window replacement market and that window-makers will remain one of the most profitable areas of the construction industry.

"Window Manufacturers," ICC Business Ratios, 23 City Road, London, EC1, £80.

## Base rates may rise, say brokers

BY OUR ECONOMICS CORRESPONDENT

THE GOVERNMENT may be unable to avoid a rise in clearing bank base rates and possibly mortgage rates before the end of this year, stockbrokers James Capel and Co. argue.

The brokers predict that upward pressures on short-term interest could intensify over the next three to four months as £5bn to £6bn in delayed taxes is relatively weak overall and US prime rates start to rise again.

Brokers L. Messel argue that the Government will do everything possible to prevent higher interest rates in view of the rise in unemployment and ahead of the Tory party conference.

By this stage, according to James Capel, "loan demand and inflation could be on a cyclical

upturn and may thwart any significant lowering in short-term interest rates. International factors could also conspire with domestic factors to keep interest rates at these higher levels if towards the end of the fourth quarter, sterling defined money supply, of perhaps 1 per cent last month.

They point out that the economy itself and the housing market are showing few signs of monetary relaxation.

Brokers L. Messel argue that the Government will do everything possible to prevent higher interest rates in view of the rise in unemployment and ahead of the Tory party conference.

"This is an essentially political judgment. It demonstrates rather clearly that the notion

of interest rates being determined by market forces is a fiction."

The brokers warn, however, about possibly disappointing domestic monetary trends with a rise in sterling M3, the broadly defined money supply, of perhaps 1 per cent last month.

They point out that the economy itself and the housing market are showing few signs of monetary relaxation.

In another new analysis brokers Grieveson Grant discuss the prospects for the forthcoming pay round. After a rise in average earnings of about 12 per cent last year, the firm projects a 10 per cent rate for

the 1982-83 round.

The 12-month rate of retail price inflation is expected to stay in the range of 10 to 11 per cent until next spring with a drop to about 9 per cent after the Budget.

Brokers de Zoete and Bevan note that industrial trends surveys highlight a rapid improvement in profit margins over the first half of this year and suggest that the stockbuilding cycle will turn around sharply. These surveys therefore indicate that investment may contribute more to the economic recovery than private consumption, contrary to previous cyclical patterns in the post-war period.

## Coyness over spinoff from military aid

Bridget Bloom looks at a quiet debate among defence experts



King Hussein of Jordan takes the salute at Sandhurst. With military academies a common training ground for world leaders, defence chiefs are pondering the political returns from increased military aid.

in Kuwait, Brunei and Zimbabwe. Nigeria and Saudi Arabia have training teams of over 50 officers, and 20 other countries have between one and 50 officers apiece.

Jordan, for example, has one naval officer. Qatar also has one officer (though it may soon have more) and in Ghana half a dozen senior officers keep the

years ago, given principally to countries of strategic importance which are unable to pay—or are likely ultimately to place defence contracts with Britain. Zimbabwe, for example, has been a major recipient over the past 18 months.

Oil-producing Nigeria, however, pays for all the assistance it gets, as do all the Gulf and

political impact and economic spin-off (in terms of arms sales, principally) such programmes are held to have difficult though that is to quantify.

Experts inevitably differ, for example, in their opinion of the extent to which Britain has helped stabilise the key Gulf states, particularly in the wake of the Iran/Iraq war, although no one doubts that British influence has been important and could be even more critical for the security of Western oil supplies in the future.

Likewise in southern Africa, some would argue that the assistance of a 160-man team in integrating and retraining the Zimbabwean armies after the civil war has been a vital contribution to stability in the area as a whole—though others might see this as an exaggeration.

Those who oppose expansion in the military assistance programme—to be found mainly in the Ministry of Defence—believe that its political importance can be exaggerated. They also argue that any expansion beyond its present capacity could only be to the detriment of the declining and increasingly resource-starved British forces.

However, those behind the move to push the military aid programme nearer to the centre of the politico-military stage say it is critical that Westminster should recognise the programme's political importance. There are the inevitable references to how the French—who not only maintain a much larger military programme in their former colonies but are deemed to be more aggressive in offering military assistance and promoting arms sales—do things better.

Critics say Britain is altogether too gentlemanly. But even those who believe that the gentle approach is likely to be more productive in the long run acknowledge that there should be much more co-operation within the British effort.

They also argue that Britain could be pricing itself out of the military assistance market. According to senior officers, where Britain trains one pilot, Canada will train two and India three.

### STATES WITH BRITISH OFFICERS ON LOAN

Teams of over 100

Brunei

Kuwait

Oman

Zimbabwe

Teams of over 50

Nigeria

Saudi Arabia

Smaller teams

Australia

Bahamas

Bahrain

Bangladesh

Barbados

Belize

Bermuda

British Antarctic Territory

Falkland Islands

Fiji

Ghana

Hong Kong

Malaysia

Mauritius

New Zealand

Qatar

Singapore

Sri Lanka

Sudan

Switzerland

United Arab Emirates

Staff College going, trying as students were attending British military training establishments, nearly 4,000 of them from non-Nato countries.

There are, however, signs that this might be changing. A lively debate is going on in the Ministry of Defence on whether—and if so how—the programme can be improved and possibly expanded. With fears of increasing third world instability—particularly in strategic areas like the oil-producing Gulf—those in the Ministry of Defence and in the Foreign Office who would like the programme to be strengthened appear to be gaining ground.

There are two essential elements of Britain's military assistance: training provided in Britain itself, and a whole range of services offered by Britain abroad.

Last year almost 5,500 foreign

students were attending British military training establishments, nearly 4,000 of them from non-Nato countries.

Meanwhile about 750 British officers were serving abroad in a wide range of roles. In Oman, where Britain effectively runs the armed forces, about 100 British officers are on loan, and another 300 are on contract.

Other teams, though with somewhat lesser functions, are

the majority of other countries. "Income" from services rendered is said to be running at just over £20m a year, giving a total military assistance programme of just £20m.

By contrast, Britain's total defence budget this year is £12.3bn and its total aid programme £861m.

Arguments as to whether the military aid programme should be made more central to foreign policy obviously centre on the

## FT shopping basket index falls again

BY OUR CONSUMER AFFAIRS CORRESPONDENT

THE FINANCIAL TIMES Grocery Prices Index in August fell for the second month running, mainly as a result of lower prices for fresh fruit and vegetables.

The August index stood at 135.50 compared with 138.62 in July. The August index fall is only the second time in the past year that the index has been lower than the previous month.

Over the past year, food prices in general have been gradually rising as food manufacturers' costs have risen and competition between grocery retailers has eased slightly.

However, it is normal during mid-summer for fresh fruit and vegetable prices to fall rapidly as a result of plentiful supplies coming onto the market. In July, the cost of the fresh fruit and vegetable section of the basket fell by 6.4 per cent over the previous month. In August the fall was 6.2 per cent.

Apart from the drop in fresh fruit and vegetable prices, the cost of fresh meat bought by FT shoppers was also less this month. The meat section of the basket fell by 2.2 per cent, from

£576.96 in July to £563.86 in August.

The index is meant only as a guide to trends in food prices. It should not be taken as an absolute indicator of the level of food prices. These can vary considerably according to the type of shop and location.

The index is based on data collected by 25 FT shoppers who monitor a list of more than 100 items each month in the same shops. The shops chosen range from small village grocers to large supermarkets.

Apart from the fall in fresh meat and vegetable produce in August, most other sections of the basket cost more than the previous month. The only exception was the canned goods section, lower in cost because of special promotional offers in some of the supermarkets monitored.

Since August last year the grocery prices index has risen by 5.5 percentage points with increases spread evenly across most sections of the shopping basket. The exception has been dairy produce, which has risen in cost by nearly 9 per cent over the year.

### FINANCIAL TIMES SHOPPING BASKET AUGUST, 1981

August £

July £

Dairy produce	684.75	673.98
Sugar, tea, coffee and soft drinks	210.09	205.10
Bread, flour and cereals	314.74	315.61
Preserves and dry groceries	114.26	113.59
Salts and pickles	51.97	51.49
Canned goods	195.90	197.49
Frozen foods	240.90	242.59
Meat, bacon, etc. (fresh)	563.94	576.78
Fruit and vegetables	256.73	272.58
Non-foods	243.73	242.21
<b>TOTAL</b>	<b>2,881.02</b>	<b>2,904.92</b>

1980: January 120.47; February 122.32; March 124.18; April 125.44; May 128.79; June 128.



## Delta Steel Company Limited Aladja, Warri, Nigeria.

### International Notice of Prequalification For the supply of a combined Cycle Power Plant for Delta Steel Company Limited, Aladja.

The Delta Steel Company will soon invite selected firms to bid for a gas fired combined cycle power plant in the 450 to 550 MW range, to be built near its plant at Aladja.

The proposal is to include the design, manufacture, transport, erection and commissioning of the following:

- A) Four gas turbines with associated waste heat steam generators.
- B) One Steam turbine with condenser and natural draught cooling tower.
- C) Five generators, totalling 450 to 550 MW - 0.9 power factor.
- D) Three step-up transformers for connection to the 330 KV network, one per set of two gas turbines and one for the steam turbine.
- E) One double circuit overhead line, one circuit to be installed immediately connecting the step-up transformers to the 330 KV Gas Insulated (SF6) Switchgear.
- F) One additional 330 KV bay to the existing double bus substation.
- G) All auxiliaries for the above mentioned equipment, including a central control equipment.
- H) All associated civil works, including site preparation, fencing, roads, foundation and buildings.

The Power plant will normally be connected to the national grid, but must be capable of operating independently and of supplying power to a steel plant with fluctuating active and reactive load.

Load fluctuations could attain 115 MW and 134 MVAR. Extension of the power station up to 900/1000 MW should be possible. It is essential that power from the gas turbines be available at the earliest time. The station will therefore be commissioned in two phases. Bid documents will be available in October 1981. Interested firms have to provide in triplicate by September 21, 1981 information such as:

- (i) Experience in manufacture of combined cycle power plant for similar environment
- (ii) Capabilities with respect to organisation and personnel
- (iii) Financial status

One copy shall be sent to:

The General Manager,  
Delta Steel Company Limited,  
Aladja,  
P. M. B. 1220,  
Warri,  
Bendel State,  
Nigeria

Two copies shall be sent to the Consultants:

G. F. Appio & Associates,  
37, Campbell Street,  
P. O. Box 3600,  
Lagos  
Nigeria

## REPUBLIC OF ARGENTINA

## HIDRONOR

### Hidroelectrica Norpatagonica Sociedad Anonima Alicura — Abasto

### 500 Kv Transmission System

#### 585—586

Prequalifications of firms

Electro-mechanical erection and civil works for substations

HIDRONOR S.A. requests local and/or foreign firms or consortiums of firms to submit technical and financial background information for prequalification to participate in the following bids:

#### 585

Electro-mechanical erection for substations

#### 586

Civil works for substations

Documents for the prequalification process can be obtained at:

#### HIDRONOR S.A.

Contracts Department  
379 Pte. Yrigoyen — 7th Floor  
8324 Cipolletti, Rio Negro, Argentine Republic  
Telex: 84116 hidnor ar

or at:

HIDRONOR S.A.  
1074 Leandro N. Alem, 4th Floor  
1001 Buenos Aires, Argentine Republic  
Telex: 22240 hidnor ar

On August 31, 1981 from 10 am to 1 pm at a price of 400,000 Argentine pesos.

Requested information will be received only at second above address until November 24, 1981 — 3 pm.

HIDRONOR S.A. has made application to the Interamerican Development Bank (IDB) for financing of above contracts.

#### 587—588—589

Bids for: supply at the sites, erection supervision, site tests and start-up, supervision of: autotransformers, reactors, 500 kv switchgear, supervisory and relay equipment and auxiliary services for substations.

HIDRONOR S.A. issues this invitation to bid on these contracts for the 500 kv Alicura-Abasto Transmission System Substations according to the following detail:

#### 580

Autotransformers and reactors

Issue of bidding documents: September 7, 1981

Reception of bids: 3 pm, November 17, 1981

#### 581

Circuit breakers, disconnect switches, potential trans-

## SYRIAN ARAB REPUBLIC

### ESTABLISSEMENT PUBLIC DES EAUX DE FIGHI

Advertisement — No. 6282 — Dated 15.8.81  
WATER TIGHTENING OF WATER SUPPLY RESERVOIRS  
AT WALI

#### DO TO TOP URGENCY

Establishment Public des Eaux de Fighi (EPF) invites submission of quotations for water-tightening of Water Supply Reservoirs at Wali area in Damascus, according to following conditions:

- Quantity: As stated in the Bill of Quantities prepared by EPF, 22,000 m<sup>3</sup> approx.
- Bid Bond: 5% of bid value.
- Performance Bond: 10% of contract value.
- Completion Period: 5 months from order to commence.
- Work Validity: 120 days from closing date of submission of quotations.
- Delay Penalties: 0.2% (two per thousand) of total contract value for each day of delay, not exceeding 20% of this amount.
- Import Licenses: All materials will be imported by EPF.
- Payment: The foreign currency component shall be financed from the World Bank and the Arab Fund.
- Submission of Quotations: Quotations shall be submitted to the Bid Document, specifying the bidder's experience, together with a bid bond and a copy of the tender documents signed on each page by the bidder.
- All bidders good quality and qualifications from countries mentioned in the World Bank and Switzerland are invited to participate in tendering.
- Bid documents may be obtained against \$50 or equivalent in Syrian Pounds to be paid to the Establishment Public des Eaux de Fighi, during official working hours from:

ESTABLISSEMENT PUBLIC DES EAUX DE FIGHI  
Contracts Department  
Al-Naser Street  
Damascus, Syria

- Bids should reach EPF by 2 o'clock pm, Saturday, 17 October 1981. Any bids that reach EPF after this closing date or that do not have bid bonds shall be rejected.

President: Director General of EPF

Applications are invited for the post of Finance Officer which will fall vacant on 1st April 1982.

## CHIEF MANAGER

National Bank of Fiji seeks a mature and experienced banker to fill the position of chief manager which will shortly become vacant.

Applicants should have not less than fifteen years experience in a senior management appointment, having an extensive knowledge of advance appraisal and control, and most probably with previous overseas service in a developing country. The chief manager will report to the board of directors on all aspects of the bank's operations.

Initial salary will be Fiji dollars 25,000 with an expatriate allowance of Fiji dollars 10,000; other benefits include a gratuity of 37½ per cent of basic salary paid annually, subsidised housing and car provided. Generous leave including a mid term leave to United Kingdom.

Application marked "National Bank of Fiji (chief manager)" to be forwarded before 10 September 1981 to:

### FIJI HIGH COMMISSION

34 Hyde Park Gate  
London SW7 5BN

Interviews will be arranged for selected applicants in London or Edinburgh

FIJIBANK

### UNIVERSITY OF GLASGOW

## FINANCE OFFICER

Applications are invited for the post of Finance Officer which will fall vacant on 1st April 1982. The Finance Officer is one of the two principal administrative officers of the University. He is responsible for its accounting records and accounts, provision of financial data relevant to decision-making in the general administration of a university, and for advising the University Court on financial matters.

It is expected that the successful candidate will have a professional accountancy qualification and will have had wide financial experience.

The salary will not be less than £18,480 per annum on Grade IV of the national salary structure for administrative staff, the rates for which have been agreed up to 31 March 1982.

Further particulars may be obtained from the Secretary of the University Court (Room 102, University of Glasgow, Glasgow, G12 8QQ), with whom applications (15 copies) may be made by the closing date of 19 October 1981, giving the names and addresses of three referees, should be lodged on or before 18th September 1981.

In reply please quote Ref. No. 7623.

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CONTACT JOHN WISBEY ON

01-248 5161

## COMPANY NOTICES

### NICHII CO. LTD.

#### NOTICE TO HOLDERS

NOTICE IS HEREBY GIVEN that the

shares to be issued to holders of

an interim cash distribution to Share-

holders will be traded ex-dividend in Tokyo

from October 21, 1981.

The shares will be traded ex-dividend in

Tokyo on October 21, 1981.

Dividends will be paid on October 21, 1981.

## Liverpool dockers close to pay settlement

By Our Labour Staff

THE ANNUAL pay award for the 3,500 registered dockers at Liverpool could be settled by the end of this week after four months of protracted negotiations.

The final offer from the Liverpool Port Employers Association has been circulated over the past few days to the men individually by the Transport and General Workers' Union.

The proposals would give dockers an extra £11 a week for normal working, bringing their wage up to £29.30; an additional £22.42 for the mid-evening shift, bringing it to £107.85; and a further £33.14 for night work, bringing it to £135.50.

In addition there will be a 10 per cent increase on bonus rates, higher piece work money and a £200 lump sum representing the backdating to the first week in May when the award should have been introduced.

A representative wage for a five-day week will be £119 and the backpay when no work is available will rise by £11. In return there will be a number of important changes in working practices.

The employers have insisted on these to offset higher wage costs.

## Rail unions' link-up takes effect today

By NICK GARNETT, LABOUR STAFF

THE PACT setting up a federation of the two blue-collar rail unions, and which has as one of its objectives the eventual establishment of one union for the whole industry, takes effect from today.

The two unions are the National Union of Railwaymen and ASLEF, the train-drivers' union. The third railway union, the white-collar Transport and Salaried Staffs Association, is not affected.

Alongside the federation agreement the two unions have also signed an agreement on membership and representation arrangements within British Rail and London Transport, the current productivity talks with British Rail management lists eight main objectives.

These include working towards the creation of one rail union; agreeing matters for negotiation and discussion with British Rail and London Transport "having regard to existing procedures and negotiating rights of each union; and agreeing on questions of legislation affecting the rail industry and its employees.

Both agreements were signed at the TUC and with the help of its officials, Mr Len Murray, TUC general secretary said yesterday that the agreement of the Railway Federation of Unions was an historic step towards the target of one union for the industry.

The federation will meet annually. Its council, made up of 19 NUR and nine Aslef representatives, will meet in alternate months with provision for special meetings at the request of either union.

## INSURANCE

### Lloyd's clings to three-year accounts

By JOHN MOORE

NEARLY three years ago claims. This has risen to 80 per cent of all claims, in the 1978 account.

In the important marine account, which provides the bedrock of Lloyd's profitability, the proportion of claims settled in the third underwriting year has risen from 53.03 per cent of all claims in that market in the 1950 underwriting year to 72.5 per cent in the latest reported accounts for 1978.

The situation may be distorted in the third year by the "reinsurance to close." In the closure of a third underwriting year, a "reinsurance to close" account is arranged between members of the syndicate for the year about to close and usually the members of the syndicate of an "open" underwriting year.

A premium may be released from an account as profit before the expiry of the third year, when the year of account is closed and the required reserve is carried forward to a later year to meet unsettled losses.

Last week, Lloyd's reported record profits of £174.4m for the 1978 underwriting account together with the customary qualified warnings about the future trends of the 1979 and 1980 accounts, which are of course still open.

Many claims will fall due for payment long after the close of the three-year account. Some such as the latest series of asbestos claims will come home to roost many years later.

Replies to the Wilson committee, Lloyd's said that it would prefer, if it were not so complex, a five-year accounting basis.

The three year system requires a portfolio transfer arrangement at the end of three years. Claims do not stop coming in at the end of an underwriting account, and provisions have to be made. The charge for the third year claims of an underwriting account has risen dramatically in the last few years, with probably the biggest rises being scored in the non-marine market.

Here, there are such unknowns as what to reserve on business with very long payout periods, like computer leasing losses or liability claims. In the 1980 underwriting year, for instance, the proportion of claims paid in the third year of the underwriting account was something like 37.6 per cent of

## PUBLIC NOTICE

With effect from 1st September 1981 our base rate will be 14 per cent per annum till further review

PUNJAB NATIONAL BANK  
119 London Wall, London EC2Y 5HJ  
41 Queen Street,  
Wolverhampton WV1 3JW  
7 Berkeley Crescent, Gravesend, Kent

## Shorter work week agreements cover 5.5m

By Our Labour Staff

ALMOST

5.5m workers, representing more than half the country's manual labour force, are covered by agreements cutting hours to below 40 per week, according to the latest TUC report on working hours.

The TUC discerns no significant slackening in the trend towards shorter basic week agreements.

It also says that there are more than 150 agreements taking basic leave entitlement to beyond four weeks and considers that this is probably an understatement.

A five-week (25-day) holiday entitlement is becoming an increasingly attainable goal for manual workers, the report says.

It also includes assisting in the settling of differences and disputes between the constituent unions on the one hand and employers on the other, and assisting in the settling of differences and disputes which might arise between the unions.

A general objective is to promote the interests of the unions and their members.

The agreement specifies that the TUC is on hand to assist if the unions run into difficulties with the new structure.

## Build more power stations, says TUC energy review

By MARTIN DICKSON, ENERGY CORRESPONDENT

CALLS FOR an expanded programme of power station construction and a £1bn scheme to increase UK energy conservation are made today by the TUC.

The recommendations are contained in a review of energy policy drawn up by the TUC in conservation programmes, including £300m for industry, £200m for initial work on district heating projects and £75m for private home insulation.

The review supports a balanced energy policy which avoids over-reliance on any one source. This means investment in coal, the development of nuclear power, and slow depletion of North Sea oil and gas.

It calls for a steady minimum ordering programme for new power stations of 2,000 Mw a year to meet demand for electricity in the 1980s and ensure the survival of the UK power plant industry.

It should also restore the state-owned British National Oil Corporation's right to a minimum 50 per cent equity stake in oilfield production, BNOC should be invited to develop a base in refining, distribution and petrochemicals.

This contrasts with the Government's programme has already slipped and that it might now

abandon its privatisation schemes for the British Gas Corporation, including plans to end its sales of gas appliances.

TUC Review of Energy Policy, TUC, Congress House, Great Russell Street, London WC1B 3LS, £2.50.

Mr Michael Ward has been appointed a director of SAMUEL MONTAGU AND CO. Mr Ward will be joining the banking division. Mr Ward was a senior assistant director of Morgan Grenfell and Co.

the internal communications systems division of PHILIP MONTAGU AND CO. Mr Ward will be joining the banking division. Mr Ward was a senior assistant director of Morgan Grenfell and Co.

HEPWORTH INDUSTRIAL PLASTICS, a member of the plastics division of HEPWORTH COVIMOLD HOLDINGS, has appointed Mr Brian W. Davies managing director. Mr Davies was managing director of another division, Fordham Plastics. He succeeds Mr Alan Bell, who has left the company.

Mr Maurice Constant has joined CASSA DI RISPARMIO DELLA PROVINCIA DI LORRADE (CARIPLO) as London representative general manager of the bank's prospective London branch.

Mr Derek Fowler, vice-chairman of the British Railways Board, has succeeded Mr David McKenna as chairman of BRITISH TRANSPORT ADVERTISING. British Transport Advertising is jointly owned by British Rail and National Bus Company.

Four directors have joined the main board of CROWNGATE RIPLEY. The executive directors are Mr R. B. Corser and Mr R. Wood. Non-executive directors are Mr E. J. Hewitt and Mr R. Gorrell, both directors of E. J. Finance, the Co-operative Bank's finance house, which owns 30 per cent of Crowngate.

HALIFAX BUILDING SOCIETY has appointed Mr T. W. Taylor as a secretary from September 1. Mr Taylor, general manager of the Wakefield Building Society, joined the Halifax in 1976, where he is now mortgage controller. He will continue, as a member of the executive, to be concerned with the society's lending operations.

# THE FINANCIAL FORCE IN EUROPE



Canadian Imperial Bank of Commerce is one of the top 50 banks in the world, with assets exceeding \$60 billion.

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Hong Kong, Singapore, Tokyo, Sydney, Dallas, Los Angeles, New York, Pittsburgh, San Francisco, Buenos Aires, Mexico City and São Paulo.

# How specialisation saved a textile maker

Having foreseen the decline in its traditional markets, Fothergill and Harvey took early and successful action. Rhys David reports

THE GLOOM that has been hanging over much of Lancashire industry during the present recession has been punctuated at regular intervals over recent months by a string of altogether more encouraging announcements from one of the county's less well-known public companies, the industrial materials supplier Fothergill and Harvey.

In June the company disclosed that it has signed a letter of intent to form a joint venture with American Cyanimid to manufacture and market advanced composites for the European aerospace industry. This deal, from which the giant American chemical group clearly stands to benefit as much as its smaller UK partner, follows hard on F and H's acquisition for £4.9m of the London-based, H. D. Symons, an important supplier of high technology electrical insulating products. Also this year, a move has been made into fibre optics through the purchase of a 25 per cent stake in Focum, a Leeds-based company acquired by its management from the Rank Organisation.

## Critical

In February this year, too, F and H opened a new cable plant designed to meet growing demand for its high temperature wiring for aircraft, and other critical applications, and to house production facilities for a new type of cable, Exar. And although both F and H and its customers have been affected by recession, the group was able to increase turnover in 1980 by 6 per cent to £18.5m, with exports up 25 per cent. Margins were squeezed but the company managed, nevertheless, to contain its drop in pre-tax profits to 10 per cent at £1.8m, despite interest charges up from £109,000 in 1979 to £253,000, largely as a result of increased borrowings.

This represents a highly satisfactory performance when set against the recent record of many other British groups supplying semi-processed material to the rest of the in-

electronic, food processing, chemicals and aerospace industries, most of the products supplied can be traced back to fibres or processes developed originally for the treatment of fibres.

The company's first move, after the decision to run down basic cotton cloth production had been taken in the immediate post-war period, was to develop fabrics made out of the new synthetic nylon and polyester fibres for use in household textiles and in industrial textiles.

From coating these fabrics with new fluoro-carbon materials to give the non-stick properties required, for example in the food processing industry, the next logical step was into the cable industry, which was interested in frictionless insulation materials. Before this, arising out of the work it had done with the newer synthetic fibres, F + H had begun exploiting other materials, which were proving to be suitable for industrial textiles, such as glass fishing rods.

And the expertise it developed in this area in turn led to its early involvement in carbon fibre, the revolutionary new product developed in Britain in the 1960s. F + H is now one of Europe's biggest producers of processed carbon fibre materials for use by industries such as aerospace, which require extra strong components.

The moves made by F and H have enabled it to establish itself as a supplier of materials to growth industries rather than declining ones and it has been able to expand employment to around 1,000.

None the less, some 50 per cent of group turnover was still arising from industrial textiles in one form or another as recently as last year. With the problems of the rest of textiles — imports, poor margins and weak demand — beginning to spread to the less sophisticated parts of this sector, too, it became clear, Stevens pointed out, that the company needed to move quickly the pace at which it was moving into newer technological areas.

A decision, therefore, was taken to withdraw from being one of the principal suppliers to the market of the less specialised fabrics such as nylon and polyester for plastic coating, albeit at a cost of around 134 jobs, and to push ahead instead with the various developments which have been unveiled over recent months.

As a first objective, the company has sought to use its expertise to make even more sophisticated fabrics, where there is less competition and consequently the prospect of greater returns.

Fothergill and Harvey Structures, at Winsford in Cheshire, has been set up to supply architectural fabrics—permanent lightweight translucent roofs for sports stadiums, shopping precincts, and similar large-spaces—with the main form of support being provided by pressure from air pumps.

We have also been trying to grow faster outside textiles, organically and by acquisition, or by buying technology through licensing agreements," Stevens notes.

At the same time, the backing F and H has given to Focum will now extend the group's interests in wiring into the rapidly-growing fibre optics field.

F and H's willingness to buy into small companies like Focum and to acquire technology under licence in fields where it is relatively inexperienced ties in with another fundamental element in the company's philosophy. Research is left to the bigger groups that can afford it with F and H seeing its role more in terms of the development of products arising out of this research.

Inevitably not all the fields F and H has tried have proved to be winners, but the company's response in these cases has been to try to establish alternative outlets for new products or, if this fails, to cut its losses quickly. Thus carbon fibre, for all its wonder properties, has been slower than expected to penetrate the engineering field.



Leslie Stevens: "We have been trying to grow faster outside textiles"

F and H executives remain convinced of its long term potential, however, both in engineering and aerospace—where its weight to strength ratio has enabled it to make some inroads—but in the meantime they have found less orthodox markets. The company supplies the blanks from which fishing rods are made as well as golf shafts and ski poles.

The chance of an ultimate second bid—again likely to be unwelcome—will turn in large measure on the ability of F and H and its recent acquisitions to go on performing well in what will continue to be a difficult market for some time. Orders in the early part of this year were poor and the carbon fibre business in particular has suffered from the ending of the first production run of the Dornier Alpha-Jet air brake, the first time carbon has been used in a production aircraft in Europe.

The order input has been improving, however, and will be helped by the decline in sterling. As a result, Stevens told the annual meeting in May, the second half will be better than the first.

Benefits are expected, too, over the medium term from a new management structure currently being introduced which will give greater freedom for entrepreneurial initiative to operating subsidiaries and leave head office to concentrate on strategy. At present headquarters provides centralised services to parts of the group but this system has become less practicable as new subsidiaries away from Littleborough have been added.

The fact that Littleborough is a relatively prosperous little town in an area where closures have been almost the norm is testimony, in part at least, to one company's determination to go on being not just one but two or three jumps ahead.

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# How unions could save Labour

BY JOHN LLOYD

THERE IS something of the cat and the mouse in the present relationship between the trade unions and the Labour Party.

The unions alone can save the party from its cash crisis.

But the unions are hard pressed themselves. They will not raise their annual affiliation fees for a dues paying member from 40p to 50p, as the Party has asked. Instead, the unions plan to raise a voluntary levy, and bring dues up to 45p.

## Dependence

Because of the Party's overwhelming dependence on the unions, it is widely assumed that the unions will effectively decide who the Party's next general secretary will be (though the decision is the National Executive committee's, which they do not control). The unions are deciding on their candidate in a measured fashion.

They hold the ring between a probably Healeyite parliamentary party and a certainly Bennite constituency section in the contest for deputy leader. Much uncertainty surrounds this. The two major undecided unions — the Transport and General Workers and the General and Municipal Workers may split for Benn and Healey; may both go for Silkyn (which could even ensure his victory), or the TGWU may abstain (thus probably ensuring Healey's victory).

Most decisively of all, they are the dominant partner in Labour Party policy making through the medium of the TUC-Labour Party Liaison Committee. This reflects the relative weakness of a party enervated by two years of internal wrangling and the tardiness of a national executive in formulating effective policy in a number of crucial areas. By contrast, the TUC appears disciplined and self confident in what it wants.

The TUC has made it clear that it will not rest content with mere policy making in opposition. A future Labour Government will be required to build continuous consultation with the unions into its routine. One

such mechanism suggested last month by Mr Len Murray, the TUC General Secretary, is TUC involvement in the annual public expenditure survey exercise.

However much of the unions' power in bargaining with employers — and the present Government stands at a low ebb, their power for bargaining with a possible future Government has increased so greatly that they will, at top level at least, hardly be in a bargaining posture at all. They will have power.

And thus responsibility. For while a Labour Party in opposition can be swayed by, even at times controlled by, far left elements, the trade unions are constrained by their need for survival. This makes them pragmatic, consensual and ultimately representative. A trade union-dominated Labour Party could, in the first place, not be blamed by the unions for betraying them and, second, would have a sharper instinct for the problems of the real world than it at present sometimes shows.

The TUC's assumption of this position within the Labour movement has been of much greater, though much less heralded, importance than the rise of the left within the Party, though of course the two developments are not in practice separable.

## Sense

It is in this sense that politicians from the soft left — and the unions being the last chance to "save" the Party. They do not say this in the 1950s sense of the right-wing disciplinarians of the General Council lining up behind Gaitskell, in his struggle against the Bevanite left. They are talking in the new sense of the trade union leadership being, by the logic of the great strength it still commands, so drawn into the responsibilities of opposition and Government that it takes upon itself the task of dealing with the facts of British political and economic life, and of explaining them to its members. The politicians may well be right.

Ian Balding has secured him for

the once-raced Triple Axle, who must go well — judged on his recent effort in Newbury's Yattondon Stakes.

Despite looking extremely burly in the preliminaries on the Berkshire course compared to many among his 23 opponents, Triple Axle — a handsome and powerfully built bay — made his presence felt until below the distance from a bad draw.

That run will have brought Triple Axle on a good few bounds, and I shall be disappointed if he fails to give Piggott another winner in this event, which he took a year ago through Cavalry Twill. As was the case then, there are eight runners for the Rubbing House.

Michael Stoute, for whom

Madam Gay at Arlington, but with two dozen winners to his credit in this country over the past fortnight or so, must be hopeful of lifting both the Rubbing House Stakes and the Chalk Lane Stakes.

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## FINANCIAL TIMES

BRACKEN HOUSE, CANNON STREET, LONDON EC4P 4BY

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Telephone: 01-246 8000

Tuesday September 1 1981

A government  
is assassinated

THE ASSASSINATION of the Iranian President and Prime Minister puts in doubt how long the Islamic Republic can survive such a casualty rate among its top leadership. It is only two months since Ayatollah Beheshti, the leader of the ruling Islamic Republican Party, was killed with 27 leading members of the Iranian parliament. Last Sunday's explosion proves that the daily tally of executions since then has not weakened the capacity of the Government's enemies to strike back with savage accuracy.

Ayatollah Khomeini remains the crucial figure in Iranian politics and it has long been a cliché among diplomats and other observers to suggest that there would be no real change in Iran until he dies. But with the killing of so many of his most senior supporters even this must be in question. His own physical survival is also threatened since his enemies have proved once again that they have the ability to penetrate all the Government's security arrangements.

## Organised group

The group most likely to be behind the assassination of President Rajai and Prime Minister Mohammed Beheshti was the Mojahedin, a powerful well organised group of progressive Moslems. Mr Massoud Rajavi, their leader, is now in exile with former President Bani-Sadr in France. Despite the execution of 600 of their members in revenge for the killing of Ayatollah Beheshti their military strength appears to be largely untouched. If the Islamic Republic, as presently constituted, falls, then they are likely to be the beneficiaries. Most of the other exile groups, mainly supporters of the late Shah, have shown no sign of having any real influence in Iran.

Most powerful

All the points made last year, when the hostage crisis dominated television screens across the world, about the strategic importance of Iran remain true today. Iran is still the most powerful state on the Gulf and has the potential to resume rapidly its position as the world's largest oil exporter after Saudi Arabia. But whatever the outcome of the savage battle for power now being fought in Iran it is unlikely that anything will quickly emerge which the West will see as much of an improvement on the present Government.

The strength of the Mojahedin has largely been of the present Iranian Government's own making. So long as President Bani-Sadr was in office he formed a sort of "loyal opposition" to Ayatollah Khomeini. He was the focus for those who supported the revolution but opposed many aspects of the Islamic Republic.

By displacing him the fundamentalists of the Islamic Republican Party exchanged an ineffective opponent who had no

Public Trustee in  
the spotlight

THE FUNCTION of the Public Trustee is an honourable office which executes society's determination that the estates of minors, the disabled, the mentally ill or those unable to manage their own affairs should be preserved in safe hands. Fewer individuals these days voluntarily choose to have their trusts administered by the Public Trustee because over the years independent investment management has become both more sophisticated and more tightly regulated. But there will always remain a core of people unable to choose an independent manager and they will continue to need the security provided by a public official backed by full Government guarantee.

Scrutiny

The importance of the Public Trustee Office can partly be measured by the fact that it still manages nearly £300m. For this reason alone it ought to be subjected to periodic public scrutiny if only to blow away the dust which must have accumulated in the institution first set up in 1906.

The occasion for such a review has been provided by complaints by the parents of three victims of the Thalidomide drug that compensation funds deposited with the Public Trustee have performed much worse than if they had simply been locked up in a building society account. Lord Hallsham, the Lord Chancellor, who is responsible for the Public Trustee Office, has been asked to investigate the complaints and he can hardly fail to do so.

Accountable

There is plenty here for Lord Hallsham to attend to. The Public Trustee of all people should be fully accountable. The funds under his care should be seen to be properly managed. His investment performance should, of course, be governed by prudence and caution—funds in public trust can never be expected to perform in line with the high fliers in the private sector. But their performance should not be held back by avoidable constraints.

Rubber stamp

The annual report of the office to the Lord Chancellor is a dimly affair which contains

## THE NORTH SEA GAS PIPELINE

## Anatomy of a £2.7bn decision

By Ray Dafter, Energy Editor

MRS MARGARET THATCHER is about to attempt to cut the Gordian knot that has been threatening to strangle one of the most ambitious engineering projects conceived in the UK in recent times: the proposed £2.7bn North Sea gas-gathering system.

Senior Government Ministers are being called together at a meeting scheduled for today in what appears to be a final attempt at breaking the deadlock over the financing of the pipeline network.

The Prime Minister has already made it clear that she wants to see the 700-kilometre pipeline network developed. Designed to be in operation by the end of 1985, the system would collect some £25bn worth of natural gas from about 20 fields and thus help to underwrite the UK's energy security.

In the meantime, the offshore manufacturing and service industries would benefit from a spate of hefty orders. Mr Ian MacGregor, chairman of British Steel, has been applying his own pressure, pointing out that pipeline orders could secure the jobs of 3,000 people in the corporation.

But the Government has put itself on the rack of its own policies. On the one hand, it has repeatedly expressed the wish that the project should be financed mostly from private funds. Mr David Howell, Energy Secretary, is urging the creation of a "private utility" with a mix of investors including British Gas (with a stake of about 30 per cent), oil companies, gas users and financial institutions.

On the other hand, the Government has found itself tethered by the realisation that none of the private interests would be prepared to put up risk capital without some form of Government guarantee. And that has implications for the Public Sector Borrowing Requirement (PSBR).

If the Prime Minister is to find a solution to the problem, she must reconcile the disparate views of those who will be involved:—

The oil  
companies

The oil companies recognise they will have to find some means of transporting ashore new supplies of natural gas—the Energy Department's restrictions on gas flaring will see to that. They are not unanimously behind the network as conceived by the Government.

Some argue that a substantial proportion of the future gas supplies could be carried in the existing pipeline systems—the Frigg and Brent lines—which by the late 1980s will have plenty of spare capacity.

The most public challenge has come from two French groups, Elf Aquitaine and Total, which have told the Government that they would prefer to feed gas from their North Alwyn Field into their own Frigg system, rather than into the proposed gathering network. As a result, the companies are still waiting to be officially awarded the seventh round oil exploration licences for which they successfully bid.

The companies have long complained that the British Gas Corporation, as a monopoly buyer, leaves them in a weak negotiating position so that they have had to accept low prices by international standards. As a result, some companies in the southern sector of the North Sea are still being paid only 3p to 4p a therm compared with the 28p a therm British Gas charges domestic customers.

The pricing issue has been clarified to some extent by the Mobil consortium's recent agreement to sell Beryl Field gas for an estimated 18p a therm—regarded as much more acceptable by the industry. The Beryl gas is earmarked for the gas-gathering network. It is significant that Mobil and British Gas are two of the companies appointed by the Government to form the steering group for the pipeline project. The third member is British Petroleum.

The oil companies are also taking another tack. Many have said that they would want to offset any investment in the gathering scheme against profits on their North Sea operations. However, the Government is likely to reject this latest move in the industry's attack on the present oil and gas taxation system.

But some carrots may still be dangled in front of companies willing to invest in the early stages of the pipeline development. They may be offered a preferential rate of return in the early stages. Initial investors in a pipeline company can expect a return around 10 per cent in real terms, according to current thinking in Whitehall. Companies with gas to transport may also be offered a priority right of carriage if they inject funds. That might be important if, in the late 1980s, the pipeline system is full.

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# The view from inside the laager

By J. D. F. Jones, Johannesburg Correspondent

**HOT PURSUIT** or cold and calculated realpolitik? The latest South African venture into Angola has spotlighted the dangerous front line between the White supremacist republic and its sovereign black neighbours to the north. It should be seen in the context not just of the extraordinarily protracted diplomatic negotiations about the future of Namibia (where the South African generals may or may not think they are pursuing diplomacy by other means) but of the tense and tangled network which carries South African influence far into Africa through transport, investment, food supplies, and trade. (Last year the Republic exported R1.10m to over 40 countries). With Zimbabwe independence last year African decolonisation reached the republic's border at the Limpopo; the principle of an independent Namibia had been agreed by the South Africans in the mid-1970s. They are committed to their *Bantustan* policy of granting "independence" to tribal homeland states inside their frontiers in an attempt to meet the aspirations of their own 20m blacks. In a word, the laager has been well and truly closed. There is nowhere now for White Africa to retreat, except into the sea.

Their strategy has therefore had to be rethought—a process that is very much going on at this moment. It is important to appreciate that policy in Pretoria is not yet clear. There seem to be various strands of opinion within the white Government and the debate continues about foreign policy just as there is well known battle over domestic policy between "verligte" and "verkrampte", enlightened and reactionary, reformist and conservative.

The essence of the argument can be put very simply: is it, or is it not, in the interests of South Africa to have a successful, orderly, even prosperous, black Africa emerge on its frontiers?

On the one hand, it can be argued that so long as the black African states are anarchic and poverty stricken, then white South Africans can sleep more securely at night. The opposite view (and this is held by not a few South Africans) is that the Republic's prospect of surviving the 20th century can only be enhanced by the emergence of a stable regional system in which the enormous resources of South Africa can be sent north to an expanding market.

This debate within the country is not over yet, but it looks as if the negative view is winning.

If that is true, then South Africa will be compelled to undermine Black Africa. And the fact that black African leaders are now convinced as never before that South Africa is trying to "destabilise" the front-line states. Seen in this context, the recent events in Angola would be merely the most extreme manifestation of a much wider policy.

In Mozambique, for example, the Frelimo government for all its Marxist ideology has on the surface had no difficulty in co-existing with Pretoria. There

has for example been South African help in running the port of Maputo, which of course is a major outlet for South African trade. However, Frelimo's authority in its own territory is now under significant strain not just because of its perilous economic situation but because of the activities of the Mozambique Resistance Movement (MRM)—and it is

widely believed in Southern Africa that the MRM is supported, indeed sustained, by Pretoria.

So far as can be seen, the MRM consists of at least 6,000 dissidents, well enough organised, trained and supplied to be able to challenge Frelimo's writ in large areas of western and northern Mozambique.

Leadership is unclear but is rumoured to connect back to various shadowy figures, including European businessmen, who were active before the Portuguese withdrew. The MRM was definitely supported by the Rhodesian army of Mr Ian Smith during its war against the Mozambique-based Zanla guerrilla army of Mr Robert Mugabe. Today, it is constantly alleged that the MRM enjoys training facilities in South Africa, help from South African specialist personnel, and military supplies from the Republic.

No one believes that the MRM is about to confront Mr Samora Machel's government in Maputo

but it is undeniably a "destabilising" element. Gun fire is regularly heard along the mountainous border with Zimbabwe: refugees are still coming across last weekend the port of Beira was without electricity and water after what seems to have been an MRM sabotage operation: and—most important of all—the MRM is undoubtedly in a position to threaten the pipeline and the railway which link Zimbabwe to the sea from Umtali to Beira.

And it is in Zimbabwe where South African assistance to the MRM, if true, would make best strategic sense, because the new Zimbabwe, led by Robert Mugabe, is South Africa's bigest worry. To most observers, the emergence of Mugabe and the Zanu-PF government in Salisbury, while unexpected, was not unencouraging.

To the South Africans the "Marxist" Mugabe is still the devil incarnate. To make things worse, he and his ministers have kept up a barrage of vocal abuse of Pretoria (while doing little action). The result has been a serious decline in relations between two countries which are intimately linked economically.

South Africa has brought in a range of measures (eg, termination of the preferential trade agreement, withdrawal of valuable railway locomotives, repatriation of Zimbabwean workers, etc) which are damaging to Mugabe. Zimbabweans for their part are absolutely convinced that South Africa is actively determined to "destabilise" their new country.

Again the facts are hard to come by. Are the South Africans training guerrillas in the northern Transvaal? Was it the South Africans who stole important weapons from a

Salisbury barracks—and did they transfer it to the MRM? Were the South Africans responsible for the recent assassination of a senior ANC official based in Salisbury? Who has been setting off bombs with a symbolic or nuisance value? Have the South Africans infiltrated Zimbabwe's military and civil structures? Is Zimbabwe's desperate shortage of diesel oil the result of a deliberate South African squeeze?

Categorical answers are hard to establish, but it is easy to see why the Zimbabweans feel nervous. They find themselves bang in the front line. They can see that the emergence of a prosperous, peaceful and multi-racial Zimbabwe would, merely by example, represent a challenge to South Africa's ideology and system. They can work out for themselves that they are appallingly vulnerable to South African interference.

To take just two examples. First, if diesel oil, which comes from South Africa, is short, the Zimbabweans cannot move their record maize harvest: not only do they lose the valuable foreign exchange but they also forfeit their potential role as a major food supplier in Africa

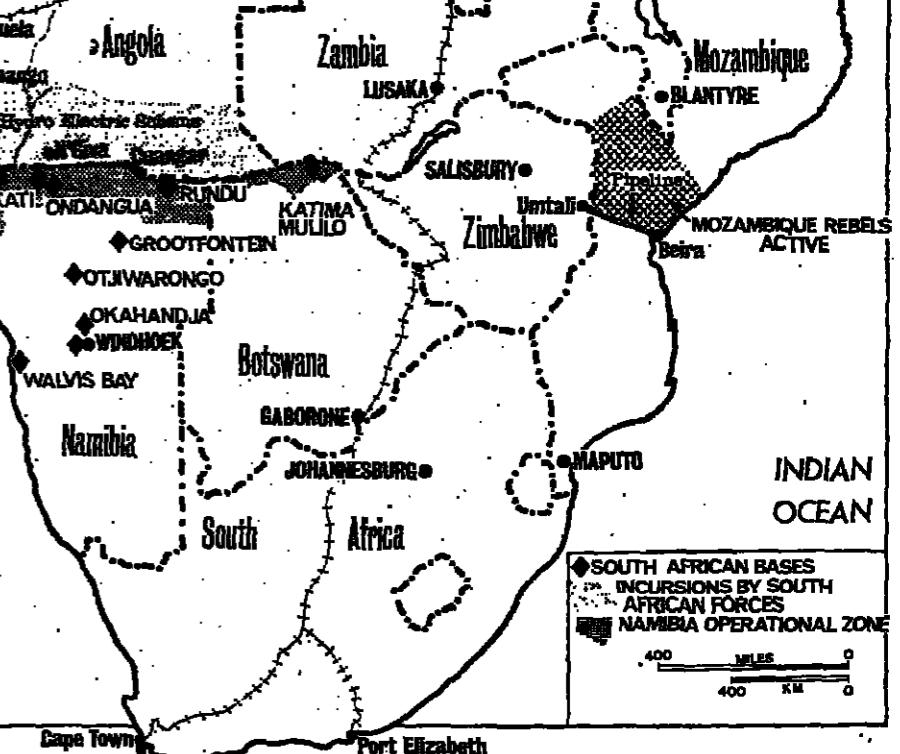
—and the "politics of food" can be underestimated. Secondly, there is the pipeline to Beira which Mr Mugabe has publicly said will bring in all of Zimbabwe's oil supplies by the end of this year. The MRM sits on the pipeline rather as the Unita dissidents of Jonas Savimbi sit across the Benguela railway that links Central Africa to the Angolan Atlantic.

Again the facts are hard to come by. Are the South Africans training guerrillas in the northern Transvaal? Was it the South Africans who stole

important weapons from a

salvageable ruled, to have much Zimbabwe playing a central role. Zimbabwe, for all its radical protestations, relies on the south for vital supplies for its mining industry, and also for transport outlets. Still, President Kaunda last October accused South Africa of being behind an attempted coup. In Malawi the South African influence is considerable and Pretoria's tentacles extend even into Zaire.

However, these regional black states are now taking steps to join together so as to reduce their economic dependence on South Africa. The Southern African Development Coordination Conference (SADC) comprises nine members, with



Graham Laver

the claims of SWAPO to overwhelming popular support will have been defeated at an internationally supervised election and the long efforts of the five-nation Western contact group will have brought international recognition.

As the South African troops withdraw from southern Angola the Contact Group must be surveying the scene ruefully. The only comfort they may like to take is that the Rhodesians, two years ago, carried out some of their most punitive expeditions into Mozambique and Zambia even while they were preparing to meet their sworn enemies across the conference table at Lancaster House.

## COMPANY MEETINGS

See week's Financial Diary on Page 20.

## COMPANY RESULTS

Final dividends: Diplome.

Graham Investment Trust, R.

and J. Pullman. Interim divi-

ends: H. Brammer, British

Vita, Invergordon Distillers

(Holdings), Macfarlane Group

(Clansman), Trade Indemnity.

LUNCHTIME MUSIC, London

Organ recital by Margaret

Phillips, St. Lawrence Jewry,

Gresham Street, 1.0 pm.

Organ recital, St. Botolph

Aldegate, 1.05 pm.

## Letters to the Editor

### Exchange rates

From Mr M. Spencer

Sir—As a participant in the foreign exchange markets, I found Anatole Kaletsky's interview of Professor Reddaway (August 27) very interesting. I believe it reflects an economist's misunderstanding of the marketplace. Professor Reddaway's primary argument is that the Government should take direct steps to lower the sterling exchange rate to improve UK competitiveness.

Besides the fact that past devaluation policies by successive administrations in the 1960s and 1970s completely failed to achieve any positive success (other than import inflation), Professor Reddaway overlooks the simple fact that the price of sterling reflects the collective judgment of the marketplace about the likely long term level of UK inflation, balance of payments and economic stability. Other shorter term factors like interest rates obviously also play a major part. Previous attempts by Governments to artificially influence exchange rates (either by holding them up or pushing them down) have almost always failed. Official intervention is usually a signal to foreign exchange market traders to take the opposite view and make some easy money. The only way that any Government could succeed in lowering the exchange rate permanently (as opposed to temporarily) is to convince the market that its long term inflation rate and long term output balance of payments is deteriorating. Presumably this is not a desired objective.

Incidentally Professor Reddaway fails to observe that sterling has weakened considerably this year. In trade weighted terms the pound is back to the same level that prevailed in late 1979/early 1980. On balance I believe the free market should be allowed to determine price. In the long run markets are always "right". Economists and Governments less often so. Michael Spencer, Commodity Services, World Trade Centre, E1.

its attendant perquisites are adequate reward. The financial stability of their company with just rewards for all its employees should be their principal motivation, not greed bearing in mind the maxim "from each according to his ability, to each according to his needs."

The problem could probably be solved by penal taxation on high earnings. My proposal would be in the case of people who earned in excess of £20,000 per annum in 1980-81, which is an inadequate income by any standards, to impose taxation at rates of up to 100 per cent by which their income in 1981-82 exceeded the 1980-81 figure. There will no doubt be an outcry that incentive would be destroyed but in these times incentive appears to be a euphemism for greed.

David E. Lee,

24, Corbins Lane, South Harrow.

### Treasury thinking

From Mr A. Ham

Sir—I should like to correct two errors in Peter Riddell's review of my book (Lombard, August 26).

It is made clear in my book that there has been nothing monolithic about Treasury thinking since the war. I explained, for instance, that it was the benign Keynesians in the Treasury who recommended the expansionist policy which came to grief in 1976. It was after that policy had failed that monetarism gained respectability, partly because Denis Healey paid it a measure of lip service. He was, of course, far too intelligent to apply it blindly or take it very seriously. It was the incoming Conservative politicians who made the great leap of faith. But I believe the social outlook at the Treasury made many officials reasonably disposed to "teach organised labour a lesson" with deflation. After all, none of them will be held accountable for the dismal failure which has met the new policies, nor suffer personally.

If Mr Riddell had been reading "Economic Trends" closely over the past year or various Central Statistical Office press releases, he would know that in Britain, since early 1979, we have experienced falling national income and industrial output on a scale quite comparable with the stamp of the 1930s. On the preliminary figures published on August 18, GDP had fallen 7.8 per cent from the second quarter of 1979 to the second quarter of 1981.

A. C. G. Ham,  
"Westwinds",  
Chaps Lane,  
Rudley, Bunting.

### Full audited accounts

From the Assistant General

Manager—Underwriting,

Trade Indemnity Company

Sir—Mr Nicholas Baker, MP (August 25) advocates the exemption of small companies from the necessity of preparing full audited accounts and criticises the Government's decision not to take advantage of the exemptions permitted by the fourth directive.

In registering a limited company—large, medium or small—a businessman claims the right to limit his liabilities to the equity put into the company—usually in the form of the paid-up capital and represented by the assets of the company. For this considerable concession, he should show some business responsibility which, in part, should be evidenced by an ability to produce proper books of account. Mr Baker is merely encouraging inefficient administration.

This new realism, however, could be jeopardised by the excessive increases in remuneration which the directors and management of a number of public companies have awarded themselves as disclosed in relevant accounts. These increases, in my opinion, amount to an abuse of their fiduciary position by the directors concerned because in a number of instances they only have a minimal equity interest and the companies have incurred losses or a substantial reduction in profits so that an increase rather than an increase in remuneration would be more appropriate.

The directors concerned may feel that the remuneration is justified by their responsibilities and the answer is that the

would have no real value to a competitor.

Mr Baker is probably unaware that our present Company House registration system is the envy of traders all over the world. What a pity to advocate the reduction of such standards and thereby encourage inefficient businesses.

Dennis L. Howson,  
Trade Indemnity House,  
12-34, Great Eastern Street, EC2.

other eggs to fry. On present evidence, we are an industry with the technical and technological know-how and the readily available raw materials to develop to twice our present size, which would still leave plenty of room for quality imports to compete for a third of the market.

Some chipboard is imported for the reason that particular types are required for certain applications. Apart from this, we see no good reason why this country should be a magnet for the surplus and under-priced production of developed countries.

What is urgently needed is a whole new EEC fair trading policy in favour of minority national sectors of EEC industries where the national sector's development is impeded only by a failure of realism on the part of the fair trading rules. This country should be far more interested than it apparently is in the root causes of its adverse balances in employment, economic returns for investment, and the extension of consumer service through technological advance. The damage being inflicted by wishful and apathetic policies, above all as regards monopoly-induced costs and definition of dumping injury, is incalculable.

David G. Duke-Evans,  
4th Floor, East Wing,  
29, St. James's Street, SW1.

Barbara Simpson,  
Goslin of Liverpool  
Yew Tree House Farm,  
Almond Close,  
High Road, Halewood,  
Liverpool.

Obviously the answer to Britain's industrial troubles is for you to write more features on small companies, such as ourselves, and wait for the offers to pour in!

Barbara Simpson,  
Goslin of Liverpool  
Yew Tree House Farm,  
Almond Close,  
High Road, Halewood,  
Liverpool.

Many industries can say the same. In our case, "protectionism" is not involved, in the sense in which the word is too

true that we claim serious injury from the lowest import prices and from excessive low-priced import penetration. Un-economical pricing of our product is chronic, although of course at its worst in a time of recession: there are always too many exporters from 30 countries competing without restraint on our wide open market.

Clearly, to a greater or lesser extent, we have to put our skills and experience to work to

scope for increasing UK energy exports—meets Mr Tanaka, Japanese Energy Minister. Oracle teletext service starts to carry advertising. Viscount Slim opens exhibition of war and philately. Stanley Gibbons Gallery, WC2 (until September 30).

Overseas: Mr David Howell, Energy Secretary, starts five-day visit to Japan for discussions on prospects for closer collaboration on energy matters and the inquiry for August.

## GENERAL

UK: Trades Union Congress leaders meet Mrs Margaret Thatcher for talks on the regeneration of inner cities, at 10 Downing Street.

Lothian Regional Council meets to discuss public expenditure.

British Association for the

Advancement of Science con-

ference opens, York (until

September 14).

Health Service complaints pro-

cedure introduced.

Barclays Bank introduces

charges on cheques cashed by

other banks' clients.

Oracle teletext service starts to

carry advertising.

Viscount Slim opens exhibition

of war and philately. Stanley

Gibbons Gallery, WC2 (until

September 30).

Overseas: Mr David Howell,

Energy Secretary, starts five-day

visit to Japan for discussions

on prospects for closer collabora-

tion on energy matters and the

inquiry for August.

## Today's Events

**At Remploy we're more concerned with ability than disability.**

## G. Armitage first-half profit slump

Sales of engineering and facing bricks fell from £5.04m to £4.12m at George Armitage and Sons, and the taxable surplus dropped to a near break-even £28,000, for the first half of 1981, compared with £802,000.

Mr Geoffrey Armitage, the chairman, says that it is impossible to forecast the full year's outcome.

He explains that the principal source of encouragement at present lies in a modest increase in enquiries for acid-resisting ware, particularly from overseas, but as long as the current UK economic climate persists, brick demand will remain at a low level, accompanied by low profit margins.

Struck after an exceptional debit of £263,000, pre-tax profits for the whole of 1980 were £250,400.

The interim dividend is maintained at 2.5p per share, payable October 1, and the directors hope to pay the same final as last year, of 3p. Mr Armitage warns that a decision will be dependent not only on the year's results, but also on the longer term economic outlook.

The chairman says that the substantial drop in brick demand, in the first half, resulted in unprecedented price competition, particularly in engineering bricks where prices realised were

materially lower than last year. Every effort has been made to contain costs but these have risen, although remaining within our internal budget."

Stocks at the Whinney Hill works, Accrington, are being steadily reduced. At June 30 last group stocks amounted to the equivalent of 17 weeks' production, but must be viewed against a background of full production being maintained, apart from the closure of Whinney Hill, Mr Armitage states.

Cash flow has been considerably improved, following the receipt of £1.7m by the Accrington Brick and Tile Company for the granting of a 25-year lease over a large part of its working-out quarry, and £200,000 by the parent company for the purchase of a small area of land which was surplus to requirements, and a quarry.

These items are shown as a £1.19m (£101,000) after-tax extraordinary credit for the six months which, after preference dividends of £33,000, boosts the available balance to £1.19m (£309,000)—there was no tax (£561,000).

Expenditure amounting to £300,000 has been authorised for the construction of hearth kilns and associated equipment at Accrington.

Armitage is a privately-held company with close status.

## Polymark reasonably confident

FOR 1981 Mr Peter Meyer, chairman of Polymark International, its members he is reasonably confident that profits, particularly during the second half, will improve on 1980.

For the longer-term the group's investments in research and development and productive resources, as well as its strong market position internationally, emphasise the directors' continued expectation of future growth, he says in his annual statement.

Cash flow has been considerably improved, following the receipt of £1.7m by the Accrington Brick and Tile Company for the granting of a 25-year lease over a large part of its working-out quarry, and £200,000 by the parent company for the purchase of a small area of land which was surplus to requirements, and a quarry.

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Armitage is a privately-held company with close status.

## Alfred Preedy back on growth path

ALTHOUGH Christmas trading is again likely to be difficult, with keen competition in toys and confectionery, Mr S. L. Preedy, chairman of wholesale and retail tobacconist Alfred Preedy and Sons, is confident the group is back on a path of growth in profits.

As reported on August 4, profits before tax for the year to March 28, 1981 amounted to £974,000. In 1979-80, the surplus fell to £583,000 after holding steady at £1.2m for the previous two years.

Mr Preedy says that the bulk of savings in costs have now been completed, and the benefits of this and other rationalisation measures should be reflected in the current year's first-half results.

Recent hefty increases in the

prices of cigarettes and tobacco caused some disruption, he adds, but by careful positioning in the market place the group hopes to maintain their contribution to profits.

With other products, the pattern is similar to last year, although the group's china and glassware were very busy in the weeks before the Royal wedding.

Fixed assets at the year end amounted to £5.82m (£20.34m).

Net current assets were £1.2m (£2.77m), including cash and bank balances of £581,000 (£203,000), and overdrafts and loans of £422,000 (£20.33m). Shareholders' funds were £1.5m (£10.37m) and term loans reduced from £2.45m to £2.24m.

Meeting, Tipton, September 24 at 5.45pm.

## BOARD MEETINGS

The following companies have notified dates of board meetings to the Stock Exchange. Such meetings are usually held for the purpose of considering dividends. Official indications are not available as to whether dividends are intended or not and the sub-divisions shown below are based mainly on last year's results.

Today Interiors—H. Gremmer, British Viva, Medicines (Chairman), Trade Industry.

Finance—Diploma, Greatorex Investment Trust, R. and J. Polman.

Future dates Interiors—

Bobcock International—Sept. 2

Camco-Hedstone—Sept. 2

Jersey Electricity—Sept. 28

London and Midland Trust—Sept. 27

London and Prov. Trust—Sept. 17

Monks (John)—Sept. 3

Quinton (H. and J.)—Sept. 15

Wilcox (Chairman)—Sept. 9

Finance—

Brush Electric Traction—Sept. 3

Copco (F.)—Sept. 15

Eden Steel, Goldsborough Mart—Sept. 15

Harland (J.) (Fenton)—Sept. 16

† Corrected.



"With the elimination of the most vulnerable activity of steel bright drawing and the re-organisation of the rest of our manufacturing interests the company has survived the worst and is once more on a progressive course".

Desmond Porter, Chairman.

Summary of Results	1980/81	1979/80
U.K. sales	£780.00	£700.00
Export and overseas sales	11,368	18,457
Total sales	4,756	3,817
Profit before tax and extra-ordinary item	16,124	21,474
Profit after tax and minority interests but before Extra-ordinary item	783	2,382
Extra-ordinary item—less tax	711	1,437
Transfer from reserves	1,074	—
Earnings per share	2.814p	6.024p
Dividends per share (including tax credit)	1.8425p	1.2725p
Net assets per share	24.034p	22.115p

Copies of the Report and Accounts are available from the Secretary, Beacon Crescent, Walkall, West Midlands WS1 4HP.

## F. H. TOMKINS LTD.

FASTENER DISTRIBUTION  
BUCKLE MANUFACTURERS  
STAINLESS STEEL FASTENERS  
HIGH TENSILE BOLTS

## David S. Smith Printing and Packaging

Salient points on 1980/81 by Mr. David S. Smith, Chairman

● Although the depressed trading conditions which affected us in the second half of the year have resulted in reduced profits, the company has fared as well as could be expected.

● In view of the Directors' faith in the future of the company, a final dividend of 4.5p is proposed making a total of 7p per share for the year (1980—7p).

● Our balance sheet reflects our strong cash position and we have a satisfactory order book, but as the trading outlook is still uncertain it is not possible to forecast for the months ahead.

Year to 30 April	1981	1980
Sales	£7,790,000	£8,724,000
Pre tax profit	£1,352,408	£1,577,570
Dividends	£378,828	£378,828
Profit retained	£335,124	£383,592
Earnings per share	12.7p	14.1p

Copies of the full Report and Accounts can be obtained from The Secretary, David S. Smith (Holdings) PLC, P.O. Box 20, 620 John's Mews, John Street, London WC1N 2PK.

## AZIENDA AUTONOMA DELLE FERROVIE DELLO STATO

U.S. \$250,000,000  
Floating Rate Notes 1988  
Convertible until February 1986 into  
9 1/4 per cent Bonds 1992

For the six months period  
28th August, 1981 to 26th February, 1982

In accordance with the provisions of the Notes, notice is hereby given that the rate of interest has been fixed at 19 1/2 per cent per annum, and that the interest payable on the relevant interest payment date, 26th February, 1982 against Coupon No. 3 will be U.S.\$492.92.

## S.G. Warburg & Co. Ltd. Agent Bank

## EUROPEAN OPTIONS EXCHANGE

Series	Nov.	Feb.	May	Stock
GOLD C	5,400	45	—	£428.50
GOLD C	5,425	38	30 A	—
GOLD C	5,450	10	18 A	—
GOLD C	5,475	11	9.50 A	—
GOLD C	5,500	40	11	—
GOLD C	5,550	5	2.50 A	—
GOLD P	5,400	1	10	5
GOLD P	5,425	11	19	—
GOLD P	5,450	101	28.5	—
GOLD P	5,475	1	47.5	—
Oct.	Jan.	April		
ABN C	F.500	11	8	—
ABN C	F.520	5	2.20	—
ABN C	F.525	10	100	—
AKZO C	F.25	50	1	2.80
AKZO C	F.27.50	50	58	1.20
AKZO C	F.27.50	45	1.20	—
AKZO P	F.27.50	—	5	8.50
AMRO C	F.50	10	5	—
AMRO C	F.520	10	1.75	—
KODA C	F.70	10	1.14	—
HEIN C	F.45	5	2.50	—
HEIN P	F.45	4	2.50	—
KOFA C	F.50	54	5.60 B	—
KOFA P	F.50	10	5.50	—
HOOG F	F.80	10	1.20	—
IBM C	F.85	5	1.14	—
KLM C	F.100	10	1.20	—
KLM C	F.120	5	6.50	30
KLM C	F.130	5	1.80	—
KLM C	F.140	5	3.00	—
KLM C	F.150	5	4.50	—
KLM C	F.160	12	11	—
KLM C	F.170	5	5.50	—
KLM C	F.180	5	7.50	—
NEDL C	F.14	7	17.50	—
NEDL C	F.150	19	10.50 B	—
NEDL C	F.160	8	6.50	—
NEDL C	F.170	10	9.50	—
NEDL C	F.180	12	12.70	—
NEDL C	F.190	14	8.50	—
NEDL C	F.200	15	10.50	—
NEDL C	F.210	17	21	—
NEDL C	F.220	17	21	—
PHIL C	F.25	110	6.00	—
PHIL C	F.27.50	100	20.00	—
PHIL C	F.28.50	85	21.00	—

## U.S. BONDS

BY IAN HARGREAVES

## Chase cut cheers the market

THE U.S. BOND market received a psychological boost yesterday when Chase Manhattan reduced its prime lending rate by half a full percentage point to 20 per cent. This was the first downward movement in the prime rate since the beginning of last month.

Coupled with the decline in the prime was an unexpectedly large drop in the weekly money supply figures last Friday with a \$27bn fall in M1-B, the most widely watched weekly indicator. Wall Street had expected a decline of about \$15bn.

All this helped the bond market to recover from what has been a black ten days for the U.S. credit markets. But despite yesterday's encouraging news, the market remains generally wary over the outlook in the longer term.

Indeed, Chase yesterday said its decision to reduce the prime was not necessarily a prediction

of the future direction of rates. Rather it is a reflection of current market conditions. In the past few days, Fed funds have come down to around the 17 per cent range from the high levels of over 20 per cent of recent weeks. Moreover, major banks have been lowering their broker loan rates reflecting, as the prime move yesterday, the general decline in the banks' own cost for funds.

But the bond market continues to be worried by the treasury's voracious borrowing appetite and the Federal Reserve's policy. Mr. Paul Volcker, the chairman of the Fed, said quite clearly on Sunday in a television interview that the Fed would maintain its tight policies.

The pessimists came in for the kill on Wall Street last week and a plucky rally on Friday on the strength of the drop in money supply and a lower Fed

funds rate was not enough to shake them off their quarry.

The facts of the week were as follows: The consumer price index for July increased by 1.2 per cent, its sharpest monthly increase for 18 months.

The July leading economic indicators fell by 0.1 per cent,

thereby indicating very little.

In the bond market, Monday produced deep gloom, attributed to a hangover effect from the previous Friday's modestly bad money supply figures, but really more to do with longer range perceptions about the government borrowing requirement.

Why fears should have crystallised so suddenly about the budget deficit and borrowing requirement is a little

puzzling, although it probably stemmed from a report of

worries within the Office of

Management and Budget on the subject. But for weeks previously, Wall Street experts had been scoffing at the

Administration's \$42bn deficit forecast, and even the Congressional Budget Office has supported a forecast of \$30bn.

At any rate, bond traders

on Monday morning

that the medium-term outlook

was black and, still struggling

under high carrying costs

because of the high short-term

interest rates, sold the market.

The next day, came the CPI

figures and things got worse.

Not a single corporate bond

issue was priced in the week

and there was hardly any

activity in the shell-shocked

municipal tax-free sector either.

The Treasury sold five-year two-month notes at the incredible yield of 16.14 per cent.

Meanwhile the Federal Res-

erve, juggling to try to ease

restrictions on M1B growth

while reining in the broader

M1B, is in danger of running out

of time before the impact of a

tax cut which Mr. Volcker

had been scuffling at the

always worried was premature.

The President chastised Wall

Street again last week for over-

reaction. Those inclined to

agree with Mr. Reagan point to

the easier conditions in short

rates generated last week by an

easing of Fed pressures on the

funds rate to the fact that many

Wall Street price economists

disagree strongly with Dr. Kauf-

man that inflation is again in

danger of spiralling upwards

and that Friday's report on

August producer prices is

expected to show a modest 0.4

to 0.6 per cent increase.

But these seem minor

details in a financial com-

munity increasingly absorbed

with the thesis that it cannot

regain stability or lower interest

rates without either another

miracle of spending restraint

from Mr. Reagan and Congress

or a recession of such severity

that it will knock for six those

sectors of the economy which

have already been in an interest

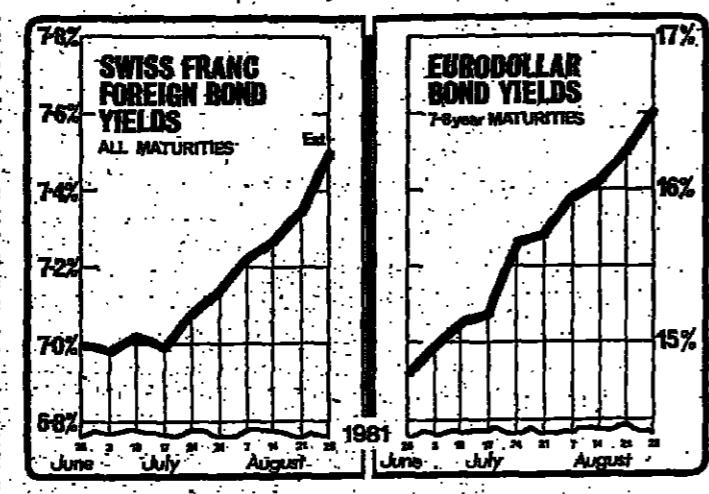
rates slump for nearly two

years.

## INTERNATIONAL BONDS

BY FRANCIS GHILES

## Buyers are there at 17%



WHILE secondary market trading activity remained very thin in the major sectors of the Eurobond market last week, some optimism was derived by dealers in the dollar sector from the launching of a 17 per cent bond to 1988 for the U.S. oil company, Cities Service.

This is only the second time in its history that the market has witnessed so high a dollar coupon and the borrower this time found was more attractive to investors than Public Service of New Hampshire, which launched a 17 per cent bond to 1986 earlier in August.

Demand for the new paper underlined once again that investors are willing to commit fresh funds to the market if they feel that the name of the borrower and the coupon he is paying are worthy of their attention. It also suggests borrowers are not all agreed in believing that U.S. interest rates will fall dramatically in the near future.

The yield on the new bond stands at 17.39 per cent. If the 14 per cent selling group discount is taken into account and assuming that the issue is as good as a "return" paper, 1988, led by UBS (Securities)

to the overdraft rate of Euro-clear—the major bond clearing house which was cut on Friday from 18.4 to 18.1 per cent. The negative cost of carrying rates

would be absorbed easily. However, few dealers and new issue managers are prepared to day from 18.4 to 18.1 per cent. The negative cost of carrying rates

Fixed interest dollar bonds are convinced that if a few declined by 1 per cent last week, more good names tipped the scales for the dollar sector offering investors EIB, a 16.1 per cent bond to 1988, led by UBS (Securities)

Managers of Japanese convertibles which were priced last week were however able to cut the coupons on the paper they were offering because of good demand. The convertible for Nippon Chemi-Con was increased by \$5m to \$25m.

to 17.39 per cent. If the 14 per cent selling group discount is taken into account and assuming that the issue is as good as a "return" paper, 1988, led by UBS (Securities)

## FT INTERNATIONAL BOND SERVICE

## U.S. DOLLAR

## STRAIGHTS

Issued

Bid Offer

day week Yield

Change on

Issued

# CURRENCIES, MONEY and GOLD

## GOLD

	Aug. 26	Aug. 27
Gold Bullion (fine ounce)		
Gold	\$826.425	(\$2201.281)
Greening	\$422.424	(\$2201.282)
Morning Fixing	\$425.80	(\$221.376)
Afternoon Fixing	\$425	(\$230.228)
Gold Coins		
Krugerrand	\$439.440	(\$2371.235)
1/4 Krugerrand	\$230.351	(\$134.125)
1/10 Krugerrand	\$117.118	(\$53.634)
Maple Leaf	\$429.50	(\$226.277)
New Sovereign	\$439.440	(\$2371.235)
One Sovereign	\$116.50	(\$56.250)
Victoria Crown	\$116.120	(\$53.624)
French 20s	\$123.128	(\$61.614)
50 pesos Mexico	\$285.533	(\$285.385)
100 Aus. Dollars	\$414.120	(\$231.315)
320 Eagles	\$655.370	(\$205.304)
Gold Bullion (fine ounce)		
U.S.	1,335.01-1,357.00	1,335.01-1,357.00
Canada	2,212.00-2,220	2,212.00-2,220
Netherlands	5,375.00	5,375.00
Belgium	14,16-14,20	14,17-14,25
Ireland	1,235.1-1,245	1,236.0-1,240
W. Ger.	4,514.5	4,534.6
Portugal	121.20-122.00	120.40-122.70
Spain	181.70-182.00	182.50-182.80
Italy	228.22-229.00	227.00-228.00
Norway	11,28-11,37	11,24-11,25
France	10,10-10,15	10,10-10,15
Sweden	3,85-3,95	3,85-3,95
Switzerland	200-237	200-237
Austria	37.10-31.30	37.75-31.85
Belgium	3.92-3.95	3.92-3.95
Belgian rate is for convertible francs. Financial franc 78.80-78.90.		
Six-month forward dollar 4.08-4.18c dia. 12-month 6.60-6.75c dia.		

## THE POUND SPOT AND FORWARD

	Day's spread	Close	One month	% p.m.	Three months	% p.m.	One year	% p.m.
Aug. 28								
U.S.	1,335.01-1,357.00	1,335.01-1,357.00	1,40-150c dia.	0.03-0.03	1,41-222c dia.	0.04-0.04	1,41-222c dia.	0.04-0.04
Canada	2,212.00-2,220	2,212.00-2,220	1,40-150c dia.	0.03-0.03	2,20-200c dia.	0.03-0.03	2,20-200c dia.	0.03-0.03
Netherlands	5,375.00	5,375.00	1c pm-1 dia.	0.30-0.30	5,375.00	5,375.00	5,375.00	5,375.00
Belgium	14,16-14,20	14,17-14,25	75-90c dia.	0.64-0.67	14,17-14,25	75-90c dia.	14,17-14,25	75-90c dia.
Ireland	1,235.1-1,245	1,236.0-1,240	0.23-0.37 dia.	2.50-3.01	1,236.0-1,240	0.23-0.37 dia.	1,236.0-1,240	0.23-0.37 dia.
W. Ger.	4,514.5	4,534.6	1-1pm	1.32-1.51	4,514.5	4,534.6	4,514.5	4,534.6
Portugal	121.20-122.00	120.40-122.70	45-75c dia.	0.73-0.73	121.20-122.00	45-75c dia.	121.20-122.00	45-75c dia.
Spain	181.70-182.00	182.50-182.80	80-100c dia.	0.73-0.73	181.70-182.00	80-100c dia.	181.70-182.00	80-100c dia.
Italy	228.22-229.00	227.00-228.00	1-1pm	0.31-0.31	228.22-229.00	227.00-228.00	228.22-229.00	227.00-228.00
Norway	11,28-11,37	11,24-11,25	1-1pm	0.31-0.31	11,28-11,37	11,24-11,25	11,28-11,37	11,24-11,25
France	10,10-10,15	10,10-10,15	1-1pm	0.31-0.31	10,10-10,15	10,10-10,15	10,10-10,15	10,10-10,15
Sweden	3,85-3,95	3,85-3,95	1-1pm	0.31-0.31	3,85-3,95	3,85-3,95	3,85-3,95	3,85-3,95
Switzerland	200-237	200-237	2-5pm	1.65-1.75	200-237	200-237	200-237	200-237
Austria	37.10-31.30	37.75-31.85	7-9pm	1.70-1.70	37.10-31.30	37.75-31.85	37.10-31.30	37.75-31.85
Belgium	3.92-3.95	3.92-3.95	7-9pm	4.19-4.31	3.92-3.95	3.92-3.95	3.92-3.95	3.92-3.95
Belgian rate is for convertible francs. Financial franc 78.80-78.90.								
Six-month forward dollar 4.08-4.18c dia. 12-month 6.60-6.75c dia.								

## EXCHANGE CROSS RATES

	Aug. 28	Pound Sterling	U.S. Dollar	Deutschmark	Japan/Yen	French Franc	Swiss Franc	Dutch Guilder	Italian Lira	Canadian Dollar	Belgian Franc
Pound Sterling	1	1.849	4.555	484.0	10.84	5.940	5.020	287.0	9,222	74.20	4.91
U.S. Dollar	0.561	1	2.453	228.5	5.665	2.151	2.150	125.0	1,805	40.15	4.91
Deutschmark	0.221	0.408	1	95.50	2.390	0.889	1.109	500.6	4,490	16.36	1.71
Japanese Yen 1000	2.356	4.861	10.70	1	2.928	1.188	1.241	5.241	17.65	1.71	1.71
French Franc 10	0.225	1.705	1.250	19.11	1.391	0.771	0.771	20.44	2.050	68.45	1.71
Swiss Franc	0.224	1.705	1.250	19.11	1.391	0.771	0.771	20.44	2.050	68.45	1.71
Austria	1.212	2.453	228.5	1	1.271	0.889	1.109	500.6	4,490	16.36	1.71
Belgium	1.212	2.453	228.5	1	1.271	0.889	1.109	500.6	4,490	16.36	1.71
Canada	0.460	0.832	2.041	190.8	4.878	3.564	3.530	102.2	1.212	2.453	228.5
Belgium Franc 100	1.348	2.492	228.5	1	1.271	0.889	1.109	500.6	4,490	16.36	1.71

## EURO-CURRENCY INTEREST RATES (Market closing Rates)

	Aug. 28	Sterling	U.S. Dollar	Deutschmark	Japan/Yen	French Franc	Swiss Franc	Dutch Guilder	Italian Lira	Canadian Dollar	Belgian Franc
Pound Sterling	1	1.849	4.555	484.0	10.84	5.940	5.020	287.0	9,222	74.20	4.91
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SDR linked deposits: one-month 16.4-16.5% per cent; three months

# FINANCIAL TIMES SURVEY

Tuesday, September 1st, 1981

## Road Transport and Distribution

After three years of falling demand for its services, the industry sees little hope of early recovery. Fierce competition for available business forces many carriers to charge uneconomic rates and the consequent lack of finance for new vehicles has obliged manufacturers to cut production.



## THE NEW FORD CARGO. BUILT TO COMBAT RISING COSTS.

From 6 to 28.5 tonnes, the new Cargo truck range offers significant improvements over the D' Series, as well as retaining welcome similarities.

### STRENGTH WHERE YOU NEED IT.

Let's start with the chassis. It's a high tensile steel which gives up to 82% higher yield strength than that used on the D' Series chassis.

The bonus is that it offers you reduced kerbweight as well as a clear chassis top.

### DEPENDABLE POWER.

We've kept the proven reliability of our 4 and 6 cylinder engines, with new additions, such as the oil cooler



which now comes as standard on all 6 cylinder engines.

### THE SHAPE THAT COUNTS.

Look at the cab and you'll see the striking aerodynamic shape.

Wind tunnel testing led us to design a unique collar at the back which deflects air out past the load.

### FAST SERVICE.

Access to the engine is exceptional. There's a torsion bar tilt on the cab—40° or 50°.

Turn to the front of the cab and you'll see our new inspection panel.

An ingenious touch, it offers quick, simple access to your daily checks.

### THE HANDSOME CAB.

Inside, we've created comfort and quiet. The sense of space you'll find is remarkable. You can reach all controls effortlessly.

Sound-deadening is superb. And in front of you, notice the deep windshield for excellent visibility. Plus the drop side observation windows, too, for extra safety.

### FORD GIVES YOU MORE.

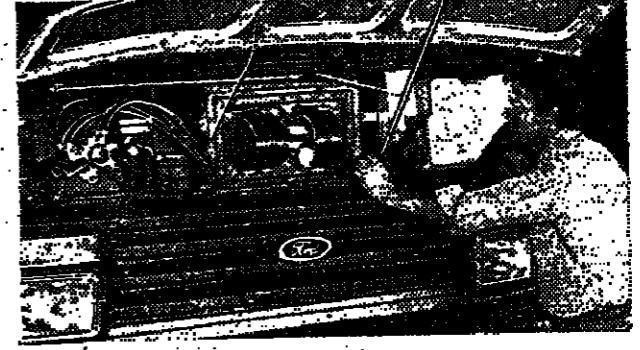
The scheduled servicing costs of a Cargo are cut by one third compared to other middleweight trucks.

Equally important, our exhaustive pre-tests revealed improved

reliability, plus outstanding fuel economy.

We even give you a twelve months unlimited mileage warranty.

And just to set the icing on the cake, the cab features our new anti-corrosion system. So it's tougher, for longer.

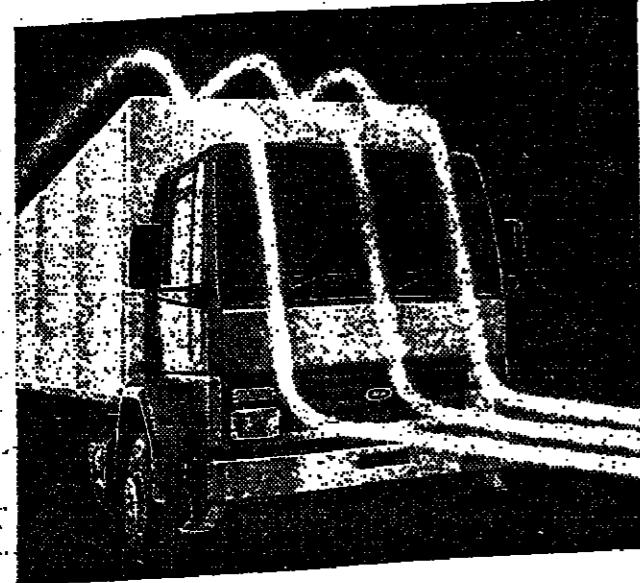


Last, but not least, you have our incomparable national network of Ford Truck Dealers.

They're fully prepared to meet your needs exactly...

Just like our new truck.

**FORD CARGO**  
6-28.5 TONNES



# No relief in sight after three years of hardship

## INTRODUCTION

LYNTON MC LAIN  
Transport Correspondent

ROAD HAULAGE companies in Britain and the owners of transport fleets in manufacturing and retail industries have suffered the worst sustained slump in demand for their services that most managers can remember.

For almost three years, with almost no sign of a let-up, the haulage industry and freight transport services have suffered a declining market with little relief. Manufacturers' stocks of materials and finished goods have been allowed to dwindle as consumer demand has slumped.

This drained the life-blood of the road freight transport industry. Normally robust and hardened transport operators lost confidence as rising numbers of contractors went bankrupt, but not in sufficient numbers for the fall in capacity to outpace the fall in demand.

### Rates war

The result has been a rates war, with haulage contractors forced to accept business at uneconomic freight rates or not at all.

Demand for road freight services fell by as much as a fifth last year, according to Sir Robert Lawrence, chairman of the National Freight Company, the state-owned giant of the road transport industry. NFC

itself entered a period of unprecedented change, with the announcement of Government plans to denationalise the firm.

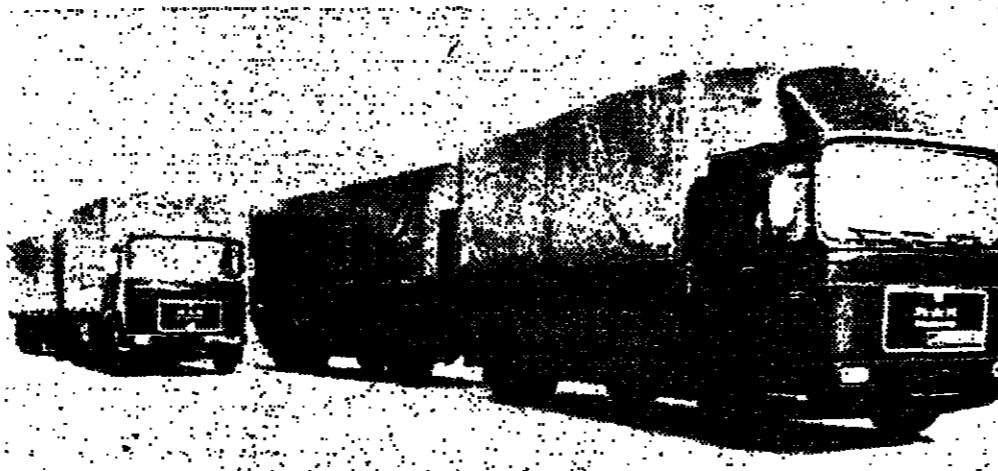
Mr. Peter Thompson, the chief executive and deputy-chairman of the NFC, subsequently launched an ambitious plan for the management and staff of the company to buy their own company. The outcome of an extensive campaign to sell the idea to staff and the transport unions is expected later this autumn. However, the Government is looking closely at the plans to assess their chance of success in a thoroughly depressed haulage market.

More pessimistic observers, especially those in the Road Haulage Association — whose members, directly involved in the day-to-day business of haulage contracting, are in a position to know — put the decline in business as high as 25 per cent compared with the previous year.

The estimates are bad enough in themselves, but the road freight transport industry — made up of the haulage contractor and the manufacturing and retail companies which operate their vehicles on their own account — entered 1980 with a base level of activities already made artificially low by the damaging road haulage strike in the winter of 1978-79.

The combined effect of the strike and the onset of the deepest slump since the 1930s pushed traffic volumes in the general haulage and parcels sector far below anything experienced in 1975 — generally regarded as the time of the industry's last slump.

Demand, however, failed to



pick up in the first half of this year and earlier estimates by the leading companies in the industry — including NFC — that an upturn in demand would start this autumn, have proved so to be illusory.

Demand may pick up for a short period, but operators will be quick to recognise the seasonal nature of the rise, as shops and warehouses start to fill with stock for the traditional Christmas.

The level of stocks is one of the indicators watched by road haulage companies in their search for business.

The latest provisional figures from the Department of Industry for the level of manufacturers' and distributors' stocks for the second quarter of 1981 show that total stock held was worth £200m at 1975 prices.

This is an estimated fall of about £80m in the value of stock in the first six months of this year, compared with a fall of £12m in the second half of 1980.

Wholesalers, who provide much of the work for road hauliers and own-account fleets of vehicles, shed stock worth £412m in the whole of last year.

De-stocking amounted to

wholesalers' stocks fell by a further £90m, or 2 per cent of the total level of stocks in the second quarter, all at 1975 prices.

Retail stocks fell by about £80m at 1975 prices in the second quarter of 1981.

The impact of the slump in demand for road freight transport services has affected almost all sectors of the industry. Investment by the distribution and service industries in the first half of this year was two per cent below the level of the second half of 1980.

The fall in demand for road freight transport services in 1980 was made worse by the high sales of commercial vehicles in the previous year, when 300,565 vehicles were sold according to the Society of Motor Manufacturers and Traders.

The new vehicles added to capacity which was already, in 1979, starting to fall out of line with falling demand for road transport services.

In the trailer market, output by British manufacturers has also fallen rapidly, from under 19,000 units sold in 1979, to 12,000 last year, and an estimated under 5,500 this year.

This slump has had other effects, too. Companies which tended to specialise in particular freight markets, such as steel or other commodities, have been forced by the decline in their traditional markets to

weight. Sales in this sector plummeted by 23 per cent last year compared with 1979 to 61,300 vehicles.

### Rapid fall

So far this year, there has been no sign of a halt to the decline in sales of these commercial vehicles. The first half of 1981 saw sales drop 38.5 per cent compared with the corresponding period in 1980.

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However, the Transport and General Workers' Union has fixed a claim for the new pay round for basic rates of £100 a week for heavy goods vehicle drivers (HGV 1) in the hire and reward sector. The basic pay of these drivers currently ranges from £78 to £83.

This moderation this year in the face of a rapidly-shrinking market for road freight transport services was also reflected in the more ready acceptance by union members of the tachograph vehicle — and driver — performance recorder. It will be a legal requirement for tachographs to be fitted to vehicles and used in place of log books



Air deflectors fitted to commercial vehicles produce a significant fuel saving. Right: Sir Arthur Armitage, whose report on lorries, people and the environment recommends the introduction of 44-tonne vehicles. The Transport Secretary, Mr Norman Fowler, considers this weight unacceptable

from December 31, 1981.

Most goods vehicles over 3.5 tonnes gross laden weight and passenger vehicles with more than 15 seats and not used for regular services are affected.

This date effectively marks the end of the prolonged struggle by Britain against the tachograph.

Britain should have made the reversal of power in recent months in labour relations in the haulage industry.

The strong stand taken by driver-members of the Transport and General Workers' Union in resisting a pay offer from haulage company management which precipitated the strike in 1979 has been replaced by union members accepting some of the lowest pay settlements in industry.

However, the Transport and General Workers' Union has fixed a claim for the new pay round for basic rates of £100 a week for heavy goods vehicle drivers (HGV 1) in the hire and reward sector. The basic pay of these drivers currently ranges from £78 to £83.

The maximum daily driving period was set at eight hours and drivers were required to drive for no longer than 48 hours a week and no longer than 92 hours a fortnight.

Behind these changes and the severe impact of the recession on haulage operations, other potential changes have been made public by the Government and used in place of log books

changes, if accepted by Mr Norman Fowler, the Transport Secretary, are the 58 recommendations made by Sir Arthur Armitage in his report on lorries, people and the environment.

The most controversial recommendation is the call for the maximum gross laden weight of lorries in Britain to be raised from the present limit of 32.5 tonnes to 44 tonnes.

Environmental groups such as the Civic Trust and the Council for the Protection of Rural England opposed the proposal vehemently. The Labour Opposition in Parliament opposed the proposal in a motion debated in June.

The Government was caught without a considered answer. Mr Fowler responded to the Opposition motion by declaring to the great surprise of all that the Government, too, was against 44-tonne lorries and would not bring forward in its response to the Armitage recommendations any proposal for a maximum weight as high as that.

He did not defend his decision to oppose 44 tonnes in detail. He said: "There are some particular worries about this vehicle," and added that "there is much less potential use for these very heavy vehicles, and our domestic commercial vehicle industry is not at present well placed to produce the necessary equipment."

### No quick decisions

No detailed analysis of the recommendations of Sir Arthur Armitage has been done by the Transport Department since his report was published in December 1980. Ministers are not expected to make quick decisions about which, if any, category of heavier lorry should be adopted by Britain.

A Government statement may come before the end of the year. However, as any change would not require primary new legislation but could be covered by statutory instruments modifying the existing construction and use regulations which affect the size and design of lorries, the Government is not under any pressure to conclude its deliberations on Armitage in time for the Queen's Speech on November 1.

## Heavy casualties from big fall in orders

### COMMERCIAL VEHICLES

KENNETH GOODING

weight of the recession. Some of its assets were picked up for £18m by PACCAR, the American concern which is well known in the U.S. for its Kenworth and Peterbilt trucks.

Fodens was renamed Sandbach Engineering and vehicle output began in a very tentative way again in February.

It was about the same time that Britain's heavy truck industry suffered another major reversal when Seddon Atkinson, the Lancashire-based subsidiary of International Harvester of the U.S., announced it was to cut its manufacturing capacity by about half and make \$10 redundant — equivalent to 44 per cent of its workforce.

Seddon decided to close its assembly plant at Walton-le-Dale, near Preston, and concentrate its activities at its Oldham factory.

More recently, Bedford, General Motors' commercial vehicle subsidiary, said it could no longer go on attempting to get through the recession by short-time working alone. It has suffered as badly as any other manufacturer from the inflation rate in the UK and the high value of the pound which has priced its products out of many overseas markets — and Bedford normally exports 70 per cent of its output.

In July, Bedford called for 2,000 voluntary redundancies.

The recession has not been confined to the UK, of course, and most of the major European markets have also been in decline.

There are conflicting views within the industry about just when that revival will take place and just how low the market will go before the bottom is reached.

Even though the really heavy spending is behind it, Leyland still expects capital expenditure to reach £430m over the 1981-84 period, although some of this will go to the bus division as well as on trucks.

While the launch of the first T45s was the truck event of 1980, this year Ford took pride of place by introducing the Cargo range to replace the 16-year-old D series.

Cargo is Ford's most important commercial vehicle since its Transit van, also 16 years old, and is aimed at providing the company with a substantially larger share of the European markets for medium and heavy trucks. Last year, Ford ranked fourth in Western Europe in the over 3.5-ton sector behind Daimler-Benz, IVECO (the Fiat subsidiary) and Renault's RVI.

Cargo, comprising 27 models of six to 28.5 tons, involved £125m of investment, mainly at Ford's plant at Langley, Berkshire. This represented just over 12 per cent of Ford's planned £1bn investment in commercial vehicles in Europe in the next five years.

If all goes to plan, about four-fifths will be spent in Britain which accounts for 98 per cent of Ford's truck production.

ERF and Seddon also have introduced new models in the past year or so and the UK-based manufacturers seem well equipped to take on the importers when demand picks up again.

There are conflicting views within the industry about just when that revival will take place and just how low the market will go before the bottom is reached.

**Pessimism**

Leyland Vehicles in July, for example, presented the highly pessimistic prediction that 1981 truck sales would be only 46,000, or 4,000 lower than the group forecast last November.

Recovery would be slower and at a lower level than previously predicted for the years 1982-83, according to Leyland.

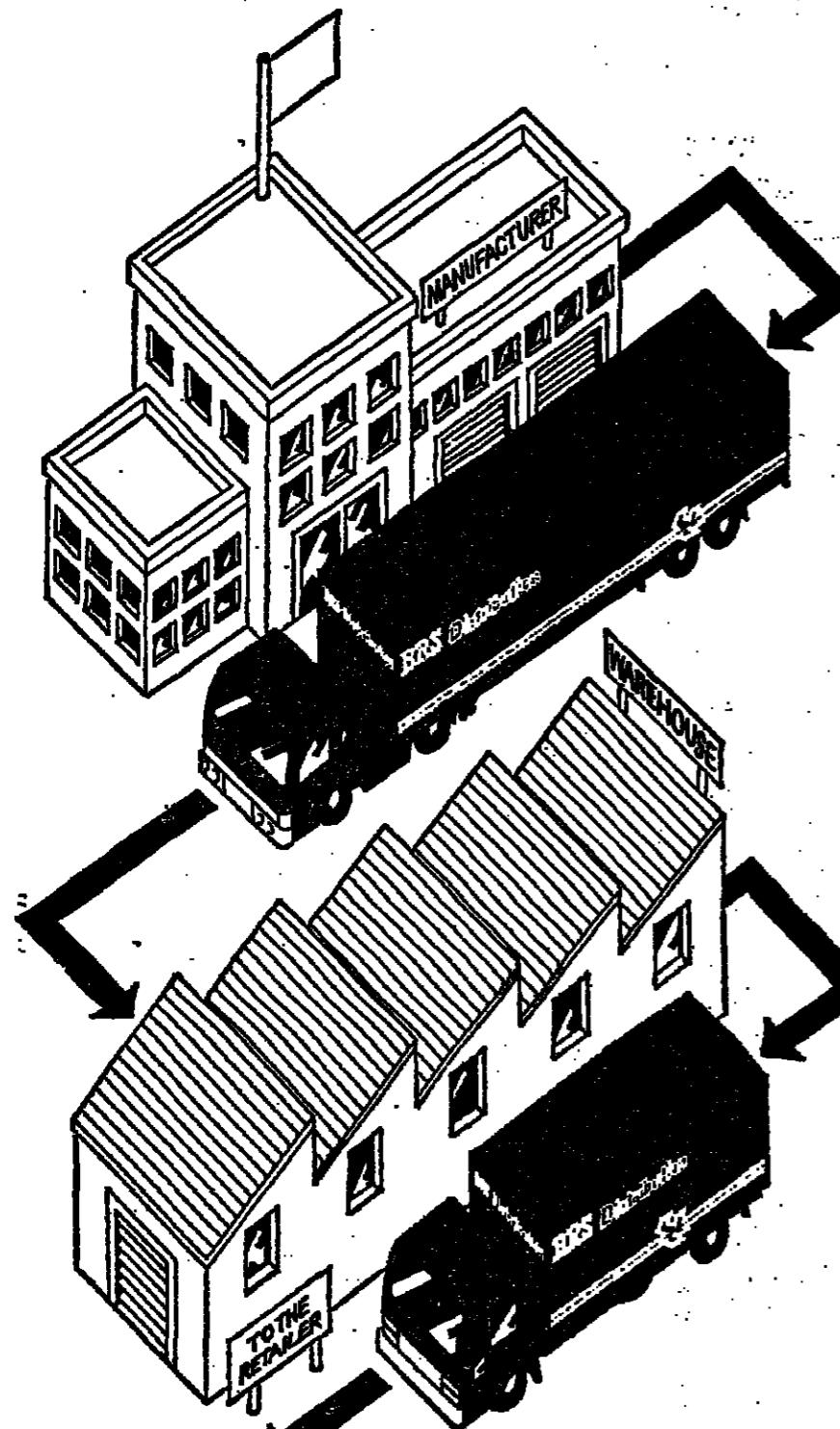
In contrast, the Economic Models group's spring forecast suggested that demand for over 3.5-ton vehicles in the UK this year would settle at around 58,500, representing a near-13 per cent drop on the 1980 level.

However, a recovery to 67,000 (up 28 per cent) was forecast for next year followed by a further rise of 12 per cent to 74,300 in 1983.

If this happened it would take the UK manufacturers out of the worst of their troubles. But the market would still not be back to the heights of 1978 when 79,836 trucks of over 3.5 tons were registered.

Some people say that Britain will not see another truck-buying spree like that one for many, many years — if at all.

# FAST FOOD



Flavour may be the key to successful food marketing, but speed is the essence!

BRS is the biggest commercial transport organisation in the UK, with an unrivalled capability for handling the movement and storage of perishable, packaged and bulk foodstuffs.

BRS Distribution is centred upon a fleet of purpose-built vehicles operating from a national network of depots with more than 125,000 sq. ft. of temperature and humidity controlled storage in addition to over 5,000,000 sq. ft. of standard warehousing.

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A subsidiary of the NFC National Freight Company Limited

## ROAD TRANSPORT AND DISTRIBUTION III

## Soaring costs concentrate hauliers' minds on economy

## FUEL EFFICIENCY

JOHN GRANTHAMS

WHEN Sir Geoffrey Howe slapped 20p extra tax on petrol and diesel in the Budget there was an entirely predictable howl from the road freight transport industry: at time when costs were already racing ahead of what the industry could charge for its services. The FTA lamented that £20m would be added to operators' fuel bills in the coming year.

Of that sum, £20m was put down to derv for trucks; the other £50m for the extra fuel costs of vans and business cars.

Sir Geoffrey, in the end, decided the FTA was not howling wolf, and chopped the increase on derv to 10p a gallon. Simple arithmetic would mean an on-cost for trucks "proper" this year, therefore, of £15m. Not so. The cut has been more than offset by the steady surge of fuel prices since then, say operators.

Last year, the industry claimed its costs rose 20 per cent. But with 15-25 per cent of transport fleets laid up as Britain wallowed in recession, the most that operators fighting tooth and claw for business could squeeze out of their customers was an extra 5 per cent on rates.

This year the picture is no better. Costs in the first half have risen, according to the FTA, by a further 13 per cent; rates by only another 5 per cent.

With fuel accounting for between roughly 14% and 16% per cent of the total cost of buying and keeping a truck in operation, it is little wonder that the haulage industry is now looking for every last chance to save fuel, as are vehicle manufacturers.

There are various ways in which the haulage industry itself can make savings. The Transport and Road Research Laboratory estimated, for example, that trucks spend about one-third of their mileage empty — returning from a delivery, for example — and about 10 per cent of that is simply due to a lack of information between, and even

within, operating companies about possible loads which could be carried. Even three years ago this lack of information was estimated to be costing the industry £10m a year; the figure this year is probably approaching twice as much.

## 70 centres

TRS is attacking the problem with its Datafreight system, a computerised operation designed to bring hauliers and loads together. It has been running for about a year and there are about 70 centres. People wanting goods to be moved simply ring the terminal, as do operators.

Undoubtedly, too, a move to higher gross truck weights would save fuel. Again, the TRRL estimates a potential fuel saving of 7-10 per cent per tonne of payload using 38-tonne gross vehicle weight trucks against the current maximum, 32.5 tonnes. But Transport Secretary Norman Fowler has set his face against 44-tonners and their potential for fuel saving of up to 15 per cent per tonne of payload.

Less easy to quantify are the savings which could come from better self-discipline among operators: comprehensive preventive maintenance, and the education of drivers into more economical habits of driving. Improved truck aerodynamics are allowing higher speeds to be reached, when the real intent is to use less power, and hence less fuel, at traditional speeds. It is self-defeating to throw away the potential for fuel saving by an extra 5 or 6 mph on the motorway.

That still leaves a big role to be played by the truck makers themselves: in engine and transmission development, and two other notable areas: weight-saving and aerodynamics.

Development of the diesel in search of greater economy has accelerated since the onset of the first fuel crisis in 1974. But it is likely that, without substantial investment in major innovations which are not yet economical, we are now in a phase of diminishing returns in terms of what can be wrung out of existing turbocharged, direct injection truck engines. In the short term, it is widely felt that not much improvement above 5 per cent in fuel efficiency can be achieved compared with current economy truck engines.

Minimising frictional losses, improved combustion and the reduction of heat losses will all play their part in the medium to long term. But fuel prices still have some way to climb before operators are likely to get into mood to pay for them.

More than half of the energy content of a truck's fuel load goes into cooling and exhaust losses. While the exhaust gases are used to drive the turbocharger compressor on current engines, a second turbine connected in series could be coupled to the crankshaft itself, allowing the remaining exhaust gas energy to help turn the engine directly.

Several manufacturers are already developing such "bottoming cycle" techniques. But they are expensive.

So is the other significant development on the horizon: adiabatic combustion, in which cooling systems are eliminated. This involves insulating the complete combustion chamber and finding materials which can withstand the very high temperatures inevitably generated.

The answer appears to lie in high-strength ceramics which, however, are still very much in the development stage. Develop-

ment is being helped, however, by the fact that Ford and GM are hard at work on developing gas turbine engines destined to have their principal components made in ceramics, and Ford expects to have a final prototype ready by 1985.

The gas turbine itself, with its particular advantages of low pollutant emissions and ability to run on a variety of fuels, may emerge in the 1990s as a rival to the truck's turbo-diesel. But no-one is counting on it. In the meantime, subject to the constraints of cost and the setback which may be encountered by any tightening of emissions legislation, it is predicted that applying the radical improvements described to the diesel could produce fuel economy gains of up to 12 per cent on current engines.

## Big saving

There are shorter term gains, however, not least in aerodynamics. MAN, for example, estimates that the proportion of overall fuel consumption needed to overcome aerodynamic drag is about 30 per cent on a conventional 38-tonne vehicle. Without aerodynamic aids, this translates

to 12-15 litres of fuel per 100 km. Fitted with a front air deflector, bumper air dam, and fairing on both tractor and trailer, MAN claims a drop of 3 litres per 100 km. With just the air deflector and front apron, it found a fuel saving of 1.4 litres per 100 km — far from inconsiderable.

Overall, Britain's Society of Motor Manufacturers and Traders estimates that such equipment could lead to consumption improvements of up to 15 per cent at main road cruising speeds.

But there are pitfalls. They must be properly designed and fitted, because it is not a simple question of smoothing out airflow from the front. Scania, conducted tests which led it to conclude that side winds must be given major consideration — on the basis that an airflow angle of even 5 degrees from the fore to aft areas increases drag by 25 per cent, soaring to 68 per cent at 10 degrees.

Transmissions are also being better matched to engines, with a general raising of gearing. Cummins, for example, found that gearing up a given engine to propel a truck at 60 mph at 1,700 rpm instead of 1,900 pro-

duced a 61 per cent improvement in fuel economy. It also enabled the truck to travel more quickly — a clear temptation to the driver. Hence the proliferation of engine speed governors.

Associated Engineering Group says its research has shown that a 10 per cent improvement in journey time could cost 20 per cent extra in terms of extra fuel and increased wear and tear, and that the maximum time saving in a normal shift would be 30 minutes to an hour of little use except in the unlikely case of that being fully used for earning extra revenue.

The answer, it suggests, is its automatic cruise control which can be set to speeds giving maximum economy. It also includes a maximum allowable speed.

Weight-saving is the other significant element, with makers paring down wherever they can. ERF, for example, has chassis rails of an unusual C-section in which strength is provided by thick horizontal edges to a thin vertical beam, rather than a uniform heavy duty section, while both plastics and aluminium are being tried as alternatives — or at least partial substitutes — for the traditional steel cab.

## Transport shortage may follow end of recession

## ROAD HAULAGE COMPANIES

LESA WOOD

DURING THE past 18 months an estimated 25 per cent of Britain's haulage vehicles have been taken off the road.

Mr Bob Duffy, of the Road Haulage Association, whose membership has fallen by 1,000 to 15,000 this year, said companies had, either laid-up vehicles, gone out of business, or been declared bankrupt.

The contraction, said Mr Duffy, had been across the board, affecting both larger companies, with more than 20 vehicles and the smaller ones which tend to be more involved in general haulage work.

## Change of attitude

The pressure by customers to keep rates down in an extremely competitive market had, said Mr Duffy, more serious effects than the immediate cash-flow problems it placed on contractors. "Hauliers are finding it very difficult to replace vehicles," said Mr Duffy, "and are extending their lives." Unless customers are careful they will not be available when the recession ends.

Imperial Chemical Industries

used to operate an unofficial system whereby it negotiated increased allowances if hauliers' costs, such as fuel, increased during a contract. But over the last 12 months there has been a shift in attitude and the eight divisions of ICI agreed nine months ago that for the foreseeable future rates would not be renegotiated if costs rose unexpectedly during a contract.

ICI, which employs some 700 contractors throughout the country, provides an interesting case study vis-à-vis trends in those companies which have decided to retain "own account" fleets.

In terms of tonnage moved by road, ICI uses its own fleet for about 10 per cent of activity, the criteria for holding such a fleet being on safety grounds. Particularly hazardous chemicals, ICI believes, are best handled in its own vehicles and by its own drivers. As volumes transported have decreased over the year this fleet has been retained, with the diminishing element being contract hire.

ICI used to contract-out work for up to five years. In 1975 for example some 25-30 per cent of its tonnage carried by road was carried by contractors. Today the percentage is about 15. As contracts expired, a significant percentage of operators, some of whom had vehicles specifically designed for ICI but who had a guaranteed income, had their contracts waived.

The aim was to keep ICI's

own fleet moving and whatever business was left was increasingly offered, on "spot hire". ICI has tried not to axe completely individual carriers, preferring to spread the cuts in business across the board.

Mr J. A. Harvey, group marketing director of the haulage company SPD, said there was a crisis of confidence between the industry, its bankers and customers. "In the last 18 months every sector of the industry has suffered, but in particular that of parcels and general haulage which have all been under-recovered on inflation."

He said that the retrenchment among "own account" fleets was becoming an increasing percentage of SPD's business but this was of no great economic benefit because of the very high fixed costs.

As far as SPD is concerned, the excess capacity in the industry has already been squeezed out. Mr Harvey said: "Increasingly, customers will find there is no capacity to buy. Contractors are having to say we want this or that price or we cannot do business." In the last couple of months he said some customers had recognised the desperate shortage of capacity and were attempting to gain contracts with hauliers.

Specialist services offered by SPD most affected by the recession include its parcels service, the "care sector" which includes the handling of china

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## ROAD TRANSPORT AND DISTRIBUTION IV

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**DISTRIBUTION  
MANAGEMENT**

LYNTON McLAIN

THE CHIEF executives of 5,000 British companies were given the chance, in a survey in the summer, to find out if they were sitting on potential gold mines of untapped ways of cutting costs and improving efficiency.

The potential gold mines lay deep in the largely uncharted territory of industrial distribution costs. These costs account for a staggering £40bn or more of the total costs of running Britain's industrial, commercial and retail companies.

The survey to find out the current costs and practices of industrial freight transport, distribution, warehousing, materials supply, and packaging was launched in May by the Centre for Physical Distribution Management. The

centre is part of the British Institute of Management and the ultimate aim of the survey of companies is to produce a "formal index against which companies can monitor and measure all future trends in physical distribution costs."

Few companies at the moment have a detailed idea of their distribution costs, according to the Centre for Physical Distribution Management.

These costs are in many cases avoidable, or at least reducible, but if the top management of a company simply does not know the source or scale of these costs, clearly it can do little or nothing to tackle them systematically with the aim of improving cost control and raising efficiency.

One of the major achievements of the National Survey of Distribution Costs, if chief executives respond to its challenge, will be this identification by top management of the costs of such activities as transport, warehousing, materials supply, including stock control, order processing and packaging.

These are all activities which

are peripheral to the main activities of manufacturing companies, but the potential for cost savings is so enormous, according to the CPDM, that once these costs are identified few chief executives could sensibly avoid action to achieve savings.

British industry and commerce moved a total of 1.822bn tonnes of goods and freight by road, rail, coastal shipping, pipeline and inland waterway in 1979, according to the latest available government figures. The cost of these movements was enormous and the Department of Transport estimated that all freight transport activities cost £14.21bn in 1979 (28.5 per cent up on 1978), with 95.7 per cent spent on road transport.

These figures represent the expenditure by users on transport.

However, the costs of transporting freight are only a part of the total industrial costs of distributing goods and materials in Britain. A study by the CPDM shows that in Britain,

transport accounts for an estimated 34.4 per cent of the total cost of distributing goods.

**Change expected**

Warehousing accounts for a further 15.6 per cent of total distribution costs, receiving and despatching of goods accounts for 3.1 per cent, stockholding accounts for 15.8 per cent, administration of distribution accounts for 12.5 per cent and other forms of processing for distribution account for 3.1 per cent of total distribution costs.

The breakdown of these costs is expected to change considerably by 1990, with transport likely to account for 44 per cent of total distribution costs and packaging accounting for 14 per cent. Administration costs are expected to be trimmed, and stockholding costs are likely to fall to 12 per cent, reflecting a move towards suppliers holding a greater proportion of stock than at present.

The figures given by the CPDM for distribution costs will be updated by the current survey of companies, and the Centre intends to monitor continuously distribution costs in industry and commerce and update data each year. An index of performance and cost in each of the full list of 133 Standard Industrial Classifications, in 26 main industrial groups, will be made available to enable companies to identify accurately their own performance in cutting distribution costs in relation to the performance of their industrial sector as a whole.

The scope for cost savings in distribution was illustrated by a report last year prepared by A.T. Kearney, management consultants, for the CPDM. Kearney showed that at least £2bn could be cut from the distribution bill of UK companies if all companies achieved the same levels of improvement in the productivity of distribution shown by the companies in the survey.

The companies surveyed for the Kearney report had combined annual sales of £5bn and represented 2 per cent of all goods sold in Britain, but the respondents estimated their average distribution costs to be 9 per cent of total sales value, an underestimate according to the Kearney report, which suggested that the companies had a restricted and narrow view of physical distribution.

The true costs of physical distribution were estimated by Kearney to be nearer 17 per cent.

The results of the 1981 survey of industrial and commercial physical distribution costs are expected to be compiled later this year. Individual companies in the survey will get their own results in graphical form, with a summary of the cost data relating to a national breakdown of physical distribution into transport, warehousing and other cost areas, in their own standard industrial classification.

The final report of the survey is then expected to be published in a report towards the end of the year. This will be presented at a national conference on distribution costs to be organised by the CPDM.

**equity.**

The bank is the first place companies turn to for outside finance. But, while an overdraft is suitable for short-term debt, it may not be the best vehicle for an investment with a life of about five years. So banks may direct customers towards term loans more directly linked to the life of the assets acquired. It is noticeable how the clearing banks have followed the lead set by the merchant banks in offering loans at variable rates rather than at the more traditional fixed rates.

A quoted company can try to raise capital directly from shareholders by way of a rights issue. However, shareholders would be suspicious of a company that required a capital injection to maintain its ordinary level of business, and the company would have to argue it needed the funds for genuine expansion. Otherwise the cost of the issue in terms of dividend is likely to prove high.

Another alternative is loan stock convertible into equity after a period of years, a device that seemed to be regaining popularity last year, with companies as diverse as Rio Tinto Zinc and Arthur Bell resorting to it. On the other hand, there are no great signs of debentures, a traditional form of debt financing that has been out of favour for a decade, making a comeback.

**dealer takes the risk on residual values in contract hire, while the risk is shared in the case of a lease. The same goes for maintenance costs. However, new forms and distinctions are being invented all the time.**

**At the same time the method**

tended to be rather expensive, because the hirer would tend to build in a cautious estimate of the residual value of the vehicle. If it exceeded the estimate, which was generally the case in an inflationary climate, this added up to extra profit for the hirer.

Meanwhile, the lesser credit controls of 1977, combined with a 1975 ruling by the special commissioners for taxation allowing cars to be treated like other items of capital equipment, had allowed car leasing to take off. From £6m in 1976 the ELA figures rose to a peak in 1979 of £485m.

Government and Inland Revenue, disliking of this use of a policy designed to promote capital investment was exacerbated by some of the fringe schemes that initially mushroomed. So it was not surprising that the 1979 and 1980 Finance Acts made the capital allowances for leased cars the same as those for purchased cars at 25 per cent. Accordingly, the car leasing total for 1980 fell back from £485m to £267m.

So with the tax treatment equalised, the distinction between contract hire and leasing has narrowed appreciably. The main distinction is that the

**Balanced**

**A formula limits the amount**

that can be offset against tax to half the relevant rental proportion above £8,000. This is a permanent tax disallowance, while the £2,000 capital allowance maximum is temporary: nevertheless, the tax benefits of the two courses can be finely balanced at different values above £8,000.

But whether hire or lease, on a fee basis or with residual risk, the main advantage is in terms of cash flow. If a company has taxable capacity of its own, however, it may prefer to purchase outright. Often this can be done within cash flow—and if it can, the case for outright purchase must be strong. If it cannot, new finance will be required, either through taking on debt or

**Another alternative is loan**

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## Volume of leasing business continues to grow

**FINANCE**

DAVID FREUD

THE ALTERNATIVES for financing company fleets have been an area of great change over the last decade—mainly due to the opportunities opened up by leasing. It is only in the last year or so that the legislative background has stabilised. But competition to provide finance remains intense and fresh packages are introduced almost daily.

The choices range between leasing, hire purchase, instalment credit, the issue of debentures, raising medium-term loans and even issuing equity.

With the costs of running a fleet now taking a large part out of many companies available cash, it would not normally buy anything like sufficient assets to match profits for their own use, soon began to buy assets—usually plant and equipment—and pass them over for the use of manufacturers and others through a leasing agreement.

**Shared incentive**

In practice, this has meant that the investment incentive was shared, through the rates, between the lessor who was deferring his tax liability until he has to pay tax on his rental income (which he could use to finance further leasing deals) and the lessee for whom the rental would be much lower than the interest rate burden of buying outright.

The growth rate for all leased assets is indicated by the figures of the Equipment Leasing Association, whose membership is dominated by the big banks and which claims to account for up to 90 per cent of the market.

In 1971 the annual leasing undertaken by ELA members was £150m; by 1980 it was £2.4bn. Of this total, commercial vehicles accounted for £14m in 1977, rising to £281m in 1980.

If a company has no taxable income of its own to set off against its investment in commercial vehicles—or even if it has no ready cash, the advantages of leasing are clear enough. It shares via the monthly leasing rental, the tax benefits of the transaction obtained by the lessor.

However, the position is considerably more complex when it comes to car fleets. Here the only companies which can obtain 100 per cent capital allowances are car hire firms. All other commercial and industrial companies using cars must put on their leasing caps to work out the most advantageous financing method.

Until recently there was a key distinction between contract hire and leasing. However, with changing legislation, that distinction has now worn rather ragged. Contract hire in cars initially became popular with companies because it allowed them to budget for an exact amount each month, leaving concerns about repairs, maintenance and subsequent disposal to the hirer. However, it was a poor device in cash flow terms because until June 1977

a third of the contract had to be paid in advance and the remainder over two years.

At the same time the method tended to be rather expensive, because the hirer would tend to build in a cautious estimate of the residual value of the vehicle.

If it exceeded the estimate, which was generally the case in an inflationary climate, this added up to extra profit for the hirer.

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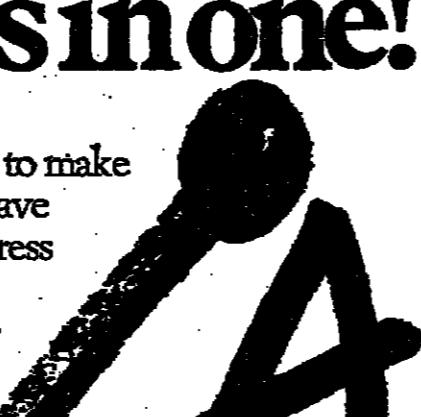
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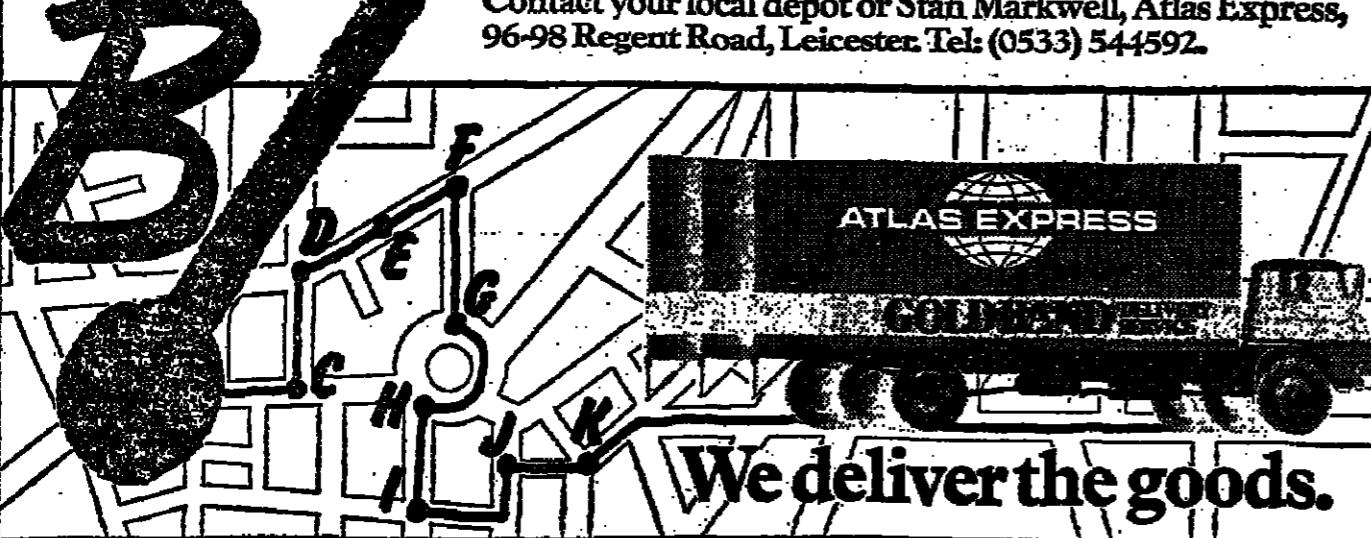
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**COMPUTERS**

ALAN CAIN

OF THE two billion tons of freight moved in the UK each year, some 88 per cent goes by road, according to the Ministry of Transport.

Of all the freight vehicles on the road at any one time, 30 per cent are empty, simply moving from pick up point to pick up point or, returning to the depot.

Discounting tankers and refrigerated vehicles, estimates in the industry suggest that some 50m gallons of fuel a year could be saved by efficient scheduling.

The obvious answer is to construct a vehicle scheduling algorithm (a sequence of steps to solve a specific problem) turn it into a computer program and run it on a computer.

This is simple in theory (like most computer programs) but complex in practice. Some 20 years after the first scheduling algorithms were constructed by the researchers Clarke and Wright of the Co-op, mature systems are only now making their value felt in the market place.

Falling cost

Part of the problem has been the difficulty of writing the right kinds of programs for the diversity of freight handling businesses there are; the other has been the cost of the hardware, the computers themselves and the visual display terminals used to communicate with the computers.

Now with the advance of

microelectronics, the cost of that hardware is falling rapidly that most of the principal vehicle scheduling system suppliers aim to run their system of a minicomputer or even a micro. (Remember, these are large, complex programs with a mass of arithmetical operations to handle.)

The principal suppliers are well established. They include the computer bureau Tempo with "Driftright," Analytical Systems with "Routemaster," Scicon with Vanplan, Pactel with "Paragon," Synergy Logistics with Transit and IBM with VSPX. There are others; each vendor emphasises that their

package has its own unique feature. No matter how fiercely they defend the virtue of their own offering, they declare they are not in direct competition with the others.

## ROAD TRANSPORT AND DISTRIBUTION V

## Cutting fuel bills a major priority

## RESEARCH

ELAINE WILLIAMS

THE Transport and Road Research Laboratory has a very wide brief and its activities vary from developing new information systems such as Carfax, which may one day provide motorists with up-to-date travel information over the radio, to studies into the social benefits of quiet vehicles on Britain's roads.

Often the laboratory's work provides an example to industry where major improvement in vehicle safety and design can be made.

## Noise problem

In the field of commercial vehicle use and design, the laboratory's work can be broadly classified into three areas: environmental, energy conservation and safety.

One of the major criticisms of commercial vehicles is the damage they cause to the environment through noise, exhaust fumes and weight.

Work carried out by the TRRL shows that with suitable redesign of the engine, noise can be cut considerably and there are already regulations which keep vehicles' noise output to 80 decibels or less.

At present, the UK Government continues to ban the introduction of 4-tonne lorries with the present maximum loading being 32.5 tonnes. However, pressures from Britain's EEC partners will mean that the loading of UK lorries will eventually increase despite the outcry from environmentalists and conservationists.

TRRL has carried out many studies to establish the effect of heavier lorries on UK roads. Broadly, the laboratory says that providing the axle loading — it is this which causes most of the road damage — is kept to that suggested by the EEC draft directive, road damage could be less than at present in Britain.

Commercial vehicles account for about one-third of the fuel used by road transport so it is no surprise that making fuel savings is one of the main pre-occupations of the Transport and Road Research Laboratory.

Fuel costs account for about 17 per cent of a vehicle's total operating costs and the need for fuel economy measures is further enhanced by the fact fuel prices are likely to rise faster than other prices.

There are many factors which affect energy consumption varying from the state of the road, tyre drag, aerodynamics of the vehicle, engine size and performance, to the way in which the vehicle is driven.

The TRRL uses computer simulation to try to unravel how these factors interact and what can be done practically by industry.

For example, a study published in 1979 showed that a 32-tonne articulated lorry could give better fuel performance — a 17.4 per cent improvement — if its engine was governed at 1,900 rpm instead of 2,100 rpm; if it were fitted with a thermodynamically controlled fan, if it had 10 per cent less laden weight and had 20 per cent less air drag.

But a driver can lose many benefits by going round too many bends or driving up and down hills. According to TRRL, even a modest gradient of 4 per cent can triple the fuel consumption.

## Options

The effect of air drag on fuel consumption is also considerable. For example, at 60 mph a 16-ton gross truck with no load consumed 11.77 miles per gallon but when carrying a container fuel consumption fell to 9.4 miles per gallon. With the addition of an air deflector plus the container, consumption improved again to 10.46 miles per gallon.

Though the TRRL is concerned mainly with the conservation of energy in the short term — the next 20 years or so — it is also looking at the options for transport into the next century.

This includes investigating synthetic and other alternatives for fuel once oil is gone. TRRL considers the most likely option to include electricity from nuclear or renewable sources, or a synthetic liquid fuel made from coal.

The TRRL is an advocate of electric vehicles and has monitored several experiments which have been carried out over recent years. TRRL admits that before electric vehicles can be considered an acceptable alternative transport system there is a number of wide issues which have to be investigated.

For example, the range limitation of electric vehicles would lead to considerable changes in the pattern of transport demand. However, if it were possible to produce a synthetic liquid fuel, the next century's transport system would be quite different from today's.

## Fowler expected to opt for a 40-tonne maximum

## HEAVY LORRIES

LYNTON McAIN

"LORRIES HAVE become not merely one possible method of transport. Entire distribution systems and indeed industries have been built around lorries and could not exist in their present form without the lorry. Some factories depend on frequent and precisely timed deliveries by lorries to such an extent that the lorries can be regarded as an extension of the production line."

Sir Arthur Armitage, Report of the Inquiry into Lorries, People and the Environment, December 1980.

"LORRIES CAUSE nuisance and the overall consequence of the growth of the movement of freight by road has been a deterioration in the environment in which people live. The continuing increase in the use of larger lorries means that problems are getting worse in larger towns where bypasses are ineffective and that the prospect of quieter lorries cannot by itself be used to argue that the overall position will improve. The lorry nuisance has not been curbed but instead is growing worse."

The Civics Trust, evidence to the Armitage Inquiry.

TO PEOPLE involved with commercial vehicles, users and

manufacturers, the comments from Sir Arthur in the report of the most recent inquiry into the relation between lorries, people and their environment spell out the truth about the lorry and its role in British industry in the late 20th century.

To others, however, Sir Arthur's observations spell out only one side of a fierce debate, in which environmental groups and supporters believe the role of the lorry has been that of villain rather than hero, by damaging the environment and threatening rural peace.

In his report, Sir Arthur attempted to reconcile the worst fears of the pro-lorry lobby, who wanted 44-tonne vehicles with the minimum of environmental control, with those of the environmental groups who urged that Britain's lorries should be kept down to the present 32.5 tonnes maximum gross laden weight, as well as more controls of noise, pollution and vibration.

The report has a list of 58 recommendations, ranging from a call for the Government to establish "lorry action areas" where local authorities would have powers and finance to help ameliorate the worst effects of lorries, to the call for a range of new legal lorry weight limits, up to a new maximum of 44 tonnes for a six axle lorry.

This recommendation for a rise of 35 per cent in the maximum weight of lorries allowed on Britain's roads turned out to be the most controversial change called for by Armitage. The division of opinion gaped wide between the pro-lorry lobby, supported as expected

by the ranks of the Road Haulage Association and the Freight Transport Association and the environmental lobby led by the Civic Trust and the Council for the Protection of Rural England, Friends of the Earth, Transport 2000, the pro-rail group and others.

The CPRE insisted in May that "official attempts to convince the British public that heavier lorries will be good for them are failing". The council and four other national organisations printed and distributed almost 250,000 leaflets proclaiming opposition to the proposal to raise lorry weight limits to 44 tonnes.

The environmental groups refused to accept the Armitage recommendations for eight main reasons but their attack was based largely on a comment made by Sir Arthur himself when he introduced his report in December. Sir Arthur insisted that his 58 recommendations "are not a package".

The opposite view was taken by the Road Haulage Association, representing 15,000 road haulage contractors, and by the Freight Transport Association, representing the transport interests, mainly on the roads, of British industry and commerce.

The FTA immediately welcomed the report, calling it a "£500m a year tonic to industry". The FTA said that to increase maximum lorry weights

would reduce the number of the heaviest lorries by 10,000 in the short term and 15,000 after 10 years, with a saving of £250m a year. Improvements in speed limits on better dual carriageways would add productivity and save a further £25m a year, the FTA said.

Rising

Sir Arthur estimated the savings to industry in reduced transport costs arising from the use of heavier lorries at between £120m and £130m a year rising to £170m to £180m a year by 1990. The heavier lorries he proposed would cost more to buy and to run than lighter lorries, but it was their ability to carry a greater weight of goods that led to the savings.

A lorry of 40 tonnes maximum gross laden weight could carry a load more than 25 per cent heavier than a 32.5 tonne lorry could carry.

Sir Arthur accepted the necessary conclusion from such a statement that fewer heavier lorries would be needed to carry a given weight of goods. However, as the State-owned National Freight Company, Britain's largest operator of lorries pointed out in its evidence to the Armitage inquiry, "the cost savings of heavier lorries can only be achieved if they are fully loaded."

The NFC estimated that only 35 per cent to 40 per cent of all the goods movement by road in Britain went by fully loaded, maximum capacity, 32.5 tonnes vehicles. The company said that these vehicles in 1978 had an average load of only 15.4 tonnes when laden, only 71 per cent of the potential full load.

It was unlikely that much more than about a quarter of all loaded vehicle miles by 32.5 tonne vehicles were performed at the maximum full capacity weight.

The company favoured an increase in maximum laden weights to 40 tonnes instead of the 44 tonnes maximum recommended by Armitage and by the European Commission. The 44 tonne proposal has since been rejected by the European Parliament and by the UK Government.

Lorries at 40 tonnes maximum gross laden weight could offer industry cost savings of between 5 per cent and 10 per cent for each capacity tonne-mile compared with current maximum capacity vehicles. Armitage put the savings from the use of 40 tonne maximum capacity vehicles at £13.5m a year if 40 tonne vehicles were introduced. However, this represents only about 0.4 per cent of the total derv consumption of around 6m tonnes.

The Government is expected to respond in full to the recommendations made by Sir Arthur Armitage in the autumn. However, Mr Norman Fowler, the Transport Secretary, has already made clear his total opposition to 44 tonne maximum gross laden weight lorries on British roads.

Mr Fowler took MPs, especially those on the Opposition benches, completely by surprise in a debate on lorries, people and the environment on June 17, when he accepted an

opposition motion against heavier lorries tabled by Mr Albert Booth, the Opposition spokesman on transport.

Refusal

Mr Booth moved "that this House, conscious of the problems caused by existing heavy lorries, as opposed to the Armitage recommendation of 44 tonne lorries,"

Mr Fowler said: "The Government has decided that the response to Armitage that we shall bring forward in due course will not contain any proposal for a maximum weight as high as 44 tonnes."

The Government refused to oppose the opposition motion, which was carried.

Mr Fowler argued that "there are some particular worries about this vehicle (the 44 tonne lorry) and to increase the maximum weight from 32.5 tonnes to 44 tonnes would take us in one jump from having the lowest to having one of the highest gross weights in

The Government is not

made a final decision public

about its plans for heavier

lorries, but the maximum

weight limit is almost certain

to rise."

Mr Fowler said that "it is clear that the greater part of industrial benefits could be obtained with a

## ESTIMATED VEHICLE OPERATING COSTS, 1980

Gross Weight (tonnes)	32.5	35	38	40
Payload (tonnes)	21.5	24	26	28
30,000 MILES A YEAR				
Total Annual Operating Costs (£)	25,714	27,239	29,499	31,162
Operating Costs per mile (£)	85.7	90.8	99.3	103.9
Operating Costs per capacity tonne-mile (£)	3.99	3.78	3.78	3.71
40,000 MILES A YEAR				
Total Annual Operating Costs (£)	44,174	45,969	48,804	51,829
Operating Costs per mile (£)	73.6	76.6	81.3	86.4
Operating Costs per capacity tonne-mile (£)	3.42	3.19	3.12	3.09

Source: National Freight Company, evidence to the Armitage Inquiry

## LORRIES AND WEIGHTS

Number likely to replace 32.5 tonners if weight limit raised	
34/35 tonnes, 4 axles	7,800
38 tonnes, 5 axles	21,800
40/42 <sup>2</sup> tonnes, 5 axles	10,000
44 tonnes, 6 axles	2,600
<b>Total</b>	<b>42,200</b>

Up to 21,000 tonne-kilometres of traffic could be expected to use the extra payload capacity offered by an increase in maximum vehicle weights, according to the evidence NFC sent to Armitage. Over this volume of traffic, the 0.3 pence per capacity tonne-mile cost reduction possible with the operation of a 40-tonne maximum gross laden weight lorry would amount to a total cost saving to industry of about £13.5m a year. This compares with the total of £13.5m spent on road freight transport in 1979, the latest available Government figure.

Lower transport costs and lower prices for consumer and industrial goods would follow from the introduction of heavier lorries, according to Armitage. Operators would also gain through fuel savings, which could amount to 8.6 million gallons (25,000 tonnes) of diesel fuel (derv) a year if 40-tonne vehicles were introduced. However, this represents only about 0.4 per cent of the total derv consumption of around 6m tonnes.

The Government is expected to respond in full to the recommendations made by Sir Arthur Armitage in the autumn. However, Mr Norman Fowler, the Transport Secretary, has already made clear his total opposition to 44 tonne maximum gross laden weight lorries on British roads.

Mr Fowler took MPs, especially those on the Opposition benches, completely by surprise in a debate on lorries, people and the environment on June 17, when he accepted an

opposition motion against heavier lorries tabled by Mr Albert Booth, the Opposition spokesman on transport.

However, Mr Fowler is unlikely to get away with introducing even the lower (that is 44 tonnes) weight 40-tonne lorry without further vehement protests from the environmental groups, especially if he tries to sweep Parliament through tightening up controls on these and other lorries.

The environmental groups are adamant that the Armitage recommendations must be introduced as a package. Mr Fowler gave a broad hint that he might be prepared to take this line in the debate on the opposition motion opposing 44-tonne lorries, in June.

No new primary legislation is needed for heavier lorries, or new controls. The changes could be made with the use of a "statutory instrument" modifying the construction and use regulations affecting lorries.

## Shortfall in Government spending angers MPs

## ROADS

LYNTON McAIN

ROADS IN Britain, or the lack of them, are an emotive subject. Some groups, mainly industrialists, hauliers and users of freight services, believe there are powerful arguments for more money to be spent on more and better roads. In particular, many believe a better infrastructure of roads is a vital precursor to the development of a sound economic base.

Other groups, including environmental groups and British Rail, would not necessarily agree that scarce public resources should be spent on roads. They would agree, however, that money needs to be spent on improving the transport infrastructure of Britain, but that the railways are the more deserving cause.

Behind this wide-ranging debate, one that is never still and rarely quiet, lie the bald facts of road building and the Government's plans for the future. Plans for roads in the past, however, have rarely been executed precisely as planned by governments and a current concern is that the Government is seriously under-spending the amount of money it allocates to roads.

On paper, Britain has an ambitious programme for building new trunk roads and motorways. These would cost nearly £3.5bn and would involve nearly 400 new schemes if all were built according to the Government's white paper, Policy for Roads: England 1980.

These figures represent the total scale and cost of all possible future road schemes in a government "pool" of ideas for roads for the future. The programme was based on a realistic assessment of future prospects.

The Government said in the white paper, its first comprehensive statement of its policies for the trunk road system in England.

Whatever the merits of the road versus rail debate and whatever the merits of the particular schemes suggested for the future in the white paper, the reality of road development in Britain leaves a great deal to be desired. That is the view of MPs on the House of Commons transport committee in a succession of reports highly critical of the policies of successive governments towards road planning and building in Britain.

The transport committee first drew attention to shortcomings with the scale and administration by the Department of Transport of road programmes in their response to last year's government white paper on the expenditure plans up to 1983-84.

The Government plans called for provision of finances to permit the completion of about 500 miles of motorway and trunk roads in England between 1979-80 and 1983-84, the end of the Government's financial planning period. The suggested schemes included the M25 motorway designed to circle London and a number of bypasses.

Spending, once again, was not at the level planned for

## BUILDING AND CIVIL ENGINEERING

### Standing the test of time

HOUSE-BUYERS and particularly buyers of new houses have the right to know whether they are getting value for their money, and an appreciating investment, when they make what for most of them is the most important financial decision of their lives.

That is the message of a new campaign launched by the House-Building Advisory Bureau which is greatly perturbed by the increasing trend towards the construction of timber-framed houses in the UK which the Bureau intends to combat with a solid argument for traditional building methods.

First-time buyers have a clear list of priorities when perusing estate agents' lists — ranging from a specified number of rooms, the existence or size of a garden, location and relevant distance from trains, buses and shopping facilities. But does the prospective house buyer know — or care — what goes into the construction of a residential property?

According to the House-Building Advisory Bureau the basic form of construction used in a house is not usually questioned by the buyer, the estate agent, building society manager or solicitor involved in the transaction.

#### Telling the public

The Bureau has been set up to tell the public what it can buy for its money and aims to particularly impress on the small house builder his responsibility.

sibility to new customers.

It says that the traditional method is one involving walls of brickwork and blockwork and that only masonry materials of reliable and durable construction can constitute a "real" home.

Not only will this last for decades, but such a traditional method of building highlights a house's investment potential and should prove a valuable factor in the resale market. That is, of course, if the next buyer wants to know or bother to evaluate what lies behind the house's facade.

#### Growing trend

The Bureau is making an all-out attack on the increasing production and erection of timber-framed houses which are now rapidly appearing all over the UK. In the private housebuilding sector, 29 per cent of dwellings built during 1976 were of timber-frame construction, but by the second part of this year this has risen to 15 per cent.

Two bones of contention picked on by the Bureau are the use of the word traditional by the timber-frame vendors, and the fact that small builders are seduced by the blandishments of speedy erection. Basic frames are prefabricated in factories and delivered in sub-sections to site for immediate placing on prepared foundations.

The builder does not have to despair over vagaries of the

English weather or worry over the drying-out problems when hundreds of gallons of water used in conventional construction need to evaporate — mostly inside the dwelling.

He can save weeks of lost time, and gain benefits of cash flow in the meantime. But, says the Bureau, the latter is not being passed on to the consumer.

Description of "traditional" for timber-framed homes, says the Bureau, evokes 400-year-old examples of Elizabethan houses which still delight the onlooker today, but Tudor talents incorporated good old English oak of considerable dimensions (overturn tree trunks) whereas timber-frame today is really softwood.

Both forms of construction meet the necessary building regulations, are accepted by the NHBC, building societies and banks, and so far are regarded as equal fire risks, admits Herbert Cruickshank, the Bureau's chairman.

Cruickshank is 69, an ex-Bovis-boy (joining the company as a trainee in 1931 and subsequently moving to the board of Bovis Holdings). The eminence grise (or wise old owl, used as the H-BAB's motif), Cruickshank passionately believes in the customer's right-to-know. He says:

"I think that dangers inherent in the recent timber-frame campaign arise from over-promotion" and he wonders if builders realise that this con-

struction is an engineered form of building and that they will encounter different forms of material perhaps for the first time. After all, he argues, what sort of track record is available?

"I think the timber frame industry itself fears the cowboys — as, of course, should the consumer."

The Campaign for Traditional Housing aims to encourage house buyers to insist on information about the basic form of construction of his potential home because one in seven new houses now uses softwood frames and plasterboard (a method imported from North America and Scandinavia).

#### Behind the facade

When the structure is clad in brick, says Cruickshank, it is virtually impossible to tell the difference between the timber-frame method and solid, traditional construction. The customer should know because, Cruickshank says, his choice of house should reflect on his future plans for expanding the property or putting it back on the market in the five to seven years that is usual with first-time owners.

Sponsoring the campaign are the Aggregate Concrete Block Autoclaved Aerated Concrete Products Brick Development and Cement and Concrete Associations.

Free literature is available from the H-BAB at 353 Strand, London, WC2 (01-536 5263).



Replacing an 80 tonne damaged fender unit at BP's Hornd Point oil terminal in the Firth of Forth, site of the main terminal for the Forties Field. The job called for a 60 x 19 metre pontoon on which a Manitowac 4100 heavy lift crane with a 28 metre jib had to be mounted to remove and re-position the fender. Although a deadline of 96 hours had been specified, Edmund Nuttall's Scottish office finished the work 12 hours ahead of schedule.

### Bovis work for Renault

AN £8m parts distribution centre for Renault UK will be built on a 16-acre site at Westlea Down Industrial Park, near Swindon, with Bovis Construction acting as management contractor.

The project has been designed by Foster Associates and will consist of 20,000 square metres of warehouse accommodation and 4,000 square metres comprising offices for the managing of the distribution centre, a showroom for cars and vans, with a regional office, an after sales training school and restaurants.

In addition to the warehouse, five modules will provide the enclosure for the offices, showroom, training school and restaurant, and a further module effects a canopy for the reception area on a mezzanine level is a storage area for valuable goods and the reception office.

The building will be of 205 mm reinforced concrete ground bearing slab with a 20 mm monolithic topping of granolithic paving with a hardened surface on 300 mm sand bonded sub-base, heavy gauge polythene damp proof membrane and reinforced concrete perimeter ground beam.

warehouse space in the building will have an average height of 9 metres and will include a full height enclosure for two levels of central plant, and a fire resisting enclosure for storing inflammable goods.

Loading area will have 14 doors with dock levellers — six for reception and eight for dispatch — and two level entry points to provide access for light commercial vehicles. Adjacent to the reception area on a mezzanine level is a storage area for valuable goods and the reception office.

The building will be of 205 mm reinforced concrete ground bearing slab with a 20 mm monolithic topping of granolithic paving with a hardened surface on 300 mm sand bonded sub-base, heavy gauge polythene damp proof membrane and reinforced concrete perimeter ground beam.

### Private houses

THREE NEW large private residential developments, worth more than £8.5m, are to be built in the central area of Scotland by Leech Homes (Scotland), the Falkirk-based member company of the William Leech housebuilding group.

One scheme is the largest single project in the company's history and covers the £5.5m development at Renfrew of more than 200 new homes of six different types.

The second project is at Bishopbriggs and will provide more than 50 new homes in the £26,000 to £40,000 price range at Villiersfield, said to be one of Glasgow's most attractive suburban areas. Work here involves demolition of a former printing works.

About 50 new homes will be constructed on the company's recently acquired 5-acre site at Cambus, near Alloa, adjacent to an existing attractive housing development by Leech.

### PRESS

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### Breakwater repairs

BUILT ABOUT a century ago, Newhaven breakwater is a mass concrete construction whose foundations have been undermined over the years by sea action.

British Railways Board now envisaged that about 6,000 cubic metres of underwater concrete needs to be placed to repair the scoured cavities of the breakwater foundations.

Contract for these repairs has gone to Taylor Woodrow, and the £2m scheme has already started with completion due in about two years.

### Tarmac takes £5m

WORK WON by companies in Tarmac Construction is worth nearly £5m, the largest award being a £1.5m single-storey workshop and offices scheme at RAF Sealand, Deeside, for Cubits.

Three other jobs for Cubits include three two-storey barracks blocks at RAF Hullavington (£557,000), painting and repairs to 250 council houses at Kirby

to Knowsley, Merseyside (£126,000), and refurbishing Barclays Bank in Tottenham Court Road, London (£15,000).

Tarmac Regional Construction has received a £1m award for building a production plant

### New factories in Corby

THE Commission for the New Towns (the Government agency which took over from the previous Development Corporation in 1980) announces the letting of £3m's worth in its continuing factory construction programme in Corby, Northants.

Now undergoing construction by four different national contractors are 25 factories, ranging in size from 3,600 up to 100,000 square feet.

Wilcox Construction has nearly completed 19 small units and now has a further £425,252 for three 10,000 sq ft units.

All these jobs are on the Earlsmead Industrial Estate's extension area which is also one of Corby's three new enterprise zones.

design and build the major unit for £1.5m.

Shank and McEwan's Corby office has started work on a pair of 20,000 sq ft and six 10,000 sq ft speculative factories with a total value of £1.2m.

Contract for £705,356 has gone to Higgs and Hill which is building 13 small speculative factories providing 66,000 sq ft in two blocks.

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All these jobs are on the Earlsmead Industrial Estate's extension area which is also one of Corby's three new enterprise zones.

### New contracts for both McAlpine groups

MAJOR WORK in a number of contracts, together worth more than £6m for Sir Alfred McAlpine companies is its northern division's four-storey office block fronting on to Alfred Gelder Street and Guildham Road, Hull. This is for the McAlpine Landware Property Partnership under a deal initially worth around £2m.

Northern division is also carrying out an extension and alterations to the existing Five Fords sewage treatment works for the Welsh Water Authority at a start-off price of about £1m.

Between Water Tower and Canning Streets, Chester, it is to build a terrace of eight, three-storey traditional construction houses for Northgate Developments (£360,000).

Civil works for a cooling tower at Windscale for British Nuclear Fuels is worth another £1m, and Wales Gas has awarded a more than £1m contract to McAlpine Services and

moderate 2,000 tons of pipework forming the system. This consists of a 12.7 mm thick steel pipe of one metre nominal bore made to an API XX-5L specification, protected internally by a cement mortar lining and externally by a bitumen fibreglass wrapping around which is a 110 mm concrete sheathing fabricated from vibrated steel shakers.

Seaward end of the pipeline, which tapers down to 500 mm diameter and is anchored into its trench by a 30 ton concrete block, carries 80 diffuser ports spread out over 200 metres to achieve sewerage dilution into the North Sea.

#### Newcastle factory

SIR ROBERT McALPINE and Sons has a £6m contract from Vickers Defence Systems for the construction of a heavy engineering factory in Newcastle upon Tyne to be built on an 8 hectares site at the west end of

Scotswood Road alongside the River Tyne.

Called Operation Dreadnought, the building will be within 33,000 square metres of space-heated covered floor area and measure 549 metres by 61 metres.

Vickers will carry out fabrication, machining, assembly and testing of fighting vehicles, with specialised crane facilities to handle a wider range of heavy engineering products.

The scheme requires excavation

amounting to 5,000 cubic metres before the pouring of 60,000 cubic metres of concrete reinforced with 27,000 square metres of fabricised steel.

McAlpine Design group is the design engineer working in concert with the project management team of architects and engineers Ryder and Yates and Partners and quantity surveyors RNC Partnership.

Work is due to start immediately with completion scheduled for July next year.

The 19,500 square metres of

warehouse space in the building will have an average height of 9 metres and will include a full height enclosure for two levels of central plant, and a fire resisting enclosure for storing inflammable goods.

Loading area will have 14 doors with dock levellers — six for reception and eight for dispatch — and two level entry points to provide access for light commercial vehicles. Adjacent to the reception area on a mezzanine level is a storage area for valuable goods and the reception office.

In addition to the warehouse, five modules will provide the enclosure for the offices, showroom, training school and restaurant, and a further module effects a canopy for the building's main entrance.

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Continued on previous page



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## WEST GERMAN DEFENCE SPENDING MAY BE HIT AGAIN

# Bonn plans budget cuts

BY JONATHAN CARR IN BONN

**FURTHER CUTS** may be imposed on projected West German Government spending next year beyond those planned just a month ago, with defence spending again one of the casualties.

This emerges from draft proposals released here in advance of a Cabinet session tomorrow and on Thursday at which the final budget sum is to be approved.

According to the draft, the budget total and the sum allocated to defence will each rise by just under 4 per cent next year, instead of the 4.2 per cent so far planned.

As a result, total budget expenditure will be DM 230.1bn (£53bn), some DM 700m less than the sum agreed in principle in Government discussions on July 30, and defence spending will be DM 43.7bn, close to

which have dragged on throughout the summer recess.

The Free Democrats are still pressing for cuts to be made in social security payments—for example, in unemployment and sickness benefits. The Social Democrats deplore any such move.

Yet some compromise has to be found before the Cabinet meets tomorrow.

Thus, a special boost to the defence budget would be almost bound to bring a revolt among the Social Democrats. The Free Democrats, however, are opposed to the idea.

The delay of a month between the two Cabinet sessions has not only given full scope for bickering between the two parties. It

has also allowed time for virtually every organisation and pressure group affected by the budget savings to say why it

believes the Government's plans

are unfair and will fail.

economic upswing.

On July 30, the Cabinet agreed on DM 14.4bn in expenditure cuts and tax increases for 1982, and resolved to approve a final package of about DM 18bn in early September.

The remaining sum is proving very hard to produce—partly because the Social Democrats, supported by the Trades Unions, wants the savings to be accompanied by a State investment programme to create more jobs.

The Free Democrats, however, are opposed to the idea.

The delay of a month between the two Cabinet sessions has not only given full scope for bickering between the two parties. It

has also allowed time for virtually every organisation and pressure group affected by the budget savings to say why it

believes the Government's plans

are unfair and will fail.

Relations between the Social Democrat and Liberal Free Democrat coalition partners have already been soured by tough and sometimes emotional budget savings discussions. DM 100m less than expected.

## Angola says towns still occupied by S. Africans

By Our Foreign Staff

ANGOLA said yesterday that South African forces were still occupying several towns in the south of the country. Fighting between Angolan troops and the South Africans was continuing, Luanda said, despite an announcement that Pretoria was withdrawing.

The official Angolan news agency Angop said the South Africans, who entered the country last week from bases in Namibia, still held the towns of N'giva and Xangongo, along with other areas of Angola's Kunene province.

Luanda gave no details of the fighting but said South African aircraft had attacked a military column on Sunday near Chibemba, about 150 miles inside Angola.

The town of Cahama, south of Chibemba, was the target of South African air attacks last week. Britain's Ambassador to Luanda, on a visit to parts of last week's battle areas, said Cahama had been completely destroyed.

South Africa insisted that its forces were continuing their withdrawal and were not engaged in fighting with Angolan troops. Pretoria said its troops had completed their mission inside Angola, which was to destroy bases of the South West Africa People's Organisation (Swapo).

Swapo has been fighting a guerrilla war for more than 14 years to end South African control in Namibia.

In New York the UN Security Council delayed talks on the South African incursion yesterday.

**Reginald Dale adds from Washington:** The U.S. Administration has made it clear it does not plan to "take sides" in southern Africa—either in disputes between South Africa and its neighbours or in internal South African conflicts between blacks and whites.

The new policy was comprehensively expounded at the weekend by Mr Chester Crocker, Assistant Secretary of State for African Affairs, in a speech in Honolulu.

Continued from Page One

## Iran

with death sentences. Despite this however it was clear that the mood of the mourners was different from what it had been at Iran's last major funeral, that of Ayatollah Beheshti, and over 70 victims of a bomb explosion which shattered the headquarters of the ruling Islamic Revolutionary Party in late June.

Many in the crowd seemed despondent as they returned home from yesterday's ceremonies and some gave voice to puzzlement as to how it was that such a bomb could have been placed after two months of extensive anti-terrorist activity.

The reaction to the deaths appears to have raised questions about the future of the country's security services. Asked how he thought it had been possible to bomb the room where Iran's National Security Council was meeting, one cleric said that "mercenary elements have penetrated everywhere, even into the revolutionary institutions." The funeral crowds echoed this sentiment, calling for fresh purge in the security services.

In the short term, however, Iran's leaders will not be able to deny that this double assassination was a major coup.

The death of 43-year-old President Rajai, who was elected to replace the fugitive President Bani-Sadr less than a month ago, and 47-year-old Hojjatollah Bahonar, means that Iran faces a new round of presidential elections within the next 50 days.

## Coffee producers seeking united front for key talks

BY JOHN EDWARDS, COMMODITIES EDITOR

LEADING COFFEE producing countries today start crucial talks in London aimed at raising world prices and restoring stability to the market. Representatives from coffee exporting countries are to try full-scale talks with representatives of consumer countries begin on September 7.

The International Coffee Agreement between exporting and importing countries, seeks to control the world coffee market. If world prices fall below an agreed level, quotas are cut; if prices rise above a set point, the quotas are increased.

Considerable difficulty is expected in agreeing both price and quota levels for the forthcoming coffee year, from October 1981 to September 1982.

World coffee prices are well

below the agreement's minimum level of 115 cents a lb in spite of extensive quota cuts and the frost in Brazil during July that virtually halved next season's crop.

Prices shot up when the frost struck but they are now virtually back to the pre-frost level of below 110 cents a lb. In London prices have been

opposition from consumers, led by the U.S., who will argue that the world surplus means there is no justification.

For the season, just ending, export quotas were originally set at a global total of 582m bags (of 60 kilos each). Trigger price levels were agreed at a low of 120 cents and a high of 150 cents, with the objective of defending a floor level of 115 cents and a ceiling of 155 cents.

In the event prices fell below 100 cents a lb at one stage, in spite of quotas being cut by a total of 7m bags to 51.2m.

Brazil accepted a modest original quota of 14.5m bags because of a shortage of supplies, but has just harvested a bumper crop of 32m, which was not affected by the July frost. It is, therefore, expected to press for an increase in its quota to at least 17m bags.

Pressure from Brazil for a much larger quota will be welcomed by the knowledge that its 1981/82 crop, to be harvested next summer, is likely to be cut by at least 12m bags to around 15m—even the normally sceptical U.S. Department of Agriculture agreed in a survey that the frost damage meant an anticipated reduction of over 45 per cent.

inflated by the decline in the value of sterling.

But the futures market has fallen to below £900 a tonne compared with a peak of £1,170 in late July. In early July, before the frost, futures hit a 51-year low of £735.

South American producers agreed last week to press for a minimum price of 135 cents. But they are likely to meet stiff

opposition from consumers, led by the U.S., who will argue that the world surplus means there is no justification.

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Continued from Page One

## Prime rate cut

Chase itself warned yesterday that its prime cut was "not necessarily a prediction of the future direction of (interest) rates. Rather it is a reflection of current market conditions."

Chase Manhattan's move helped buoy the New York Stock Exchange, which has suffered its severest slump in the past 12 months. The Dow Jones industrial index, which hit a 13-month low last week, gained nearly four points in early trading, after Chase announced its prime rate cut.

The stock market, however, gave up much of its initial advance later in the session as the

initial optimism over the prime cut wore off in the face of a firming in the rate of federal funds.

These overnight interbank funds hit a surprising low level of 14 per cent late on Friday but were setting around the 16 and 17 per cent level yesterday. The stock market's retreat also reflects that underlying concern of Wall Street.

In the New York foreign exchange market, the U.S. dollar strengthened in the morning from the depressed levels in Europe earlier in the day.

## BP pays record tax bill for N. Sea oil

By Martin Dickson and Peter Riddell

BRITISH PETROLEUM will

pay the largest-ever cheque for a tax bill, about £900m, on its North Sea oil interests. This is equivalent to 10 per cent of the basic rate of income tax for everyone.

A total of about £2bn of petroleum revenue tax and the new supplementary petroleum duty is expected to be paid to the Government in the next two years. Two £100m bills will be paid today or tomorrow.

The exact scale is uncertain because of the method of assessment but about half the projected yield of £4.1bn on the two taxes for the whole of the 1981-82 financial year is due in early September.

Tax payments of this size in a very short period will drain a very large amount of liquidity out of the London money markets which might, unless action is taken, put upward pressure on short-term interest rates.

Anticipating this problem the Bank of England has issued about £1bn of bills which mature today, injecting cash into the system to offset these pressures. Together with other assistance to the markets the Bank should be able to prevent any undue problems.

By far the biggest single contributor to the total tax payment will be British Petroleum, which will be paying about £900m due mainly on its Forties field.

Others facing large tax bills will be members of the consortium which has developed the Piper and Clamshell fields. Occidental, which is operator for the two fields and has a 36 per cent stake in each of them, will be paying the Inland Revenue about £190m. Of this, about £60m is believed due to the supplementary duty and £130m to the petroleum revenue tax. Other partners in the consortium are Allied Chemical, Getty and International Thomson.

The Ninfian field, the second most productive in the UK sector, does not come due for petroleum revenue tax payments until next year but will, in the event of elections, presidential and parliamentary, face supplementary duty at 20 per cent of the gross value of production.

For Chevron, the field operator, with a 16 per cent stake, this is likely to mean a payment today of about £20m to £25m.

Substantial supplementary duty contributions will also come from the Auk, Brent, Cormorant and Dunlin fields.

The state-owned British National Oil Corporation's various interests mean its supplementary duty payments are to total £40m to £60m, according to industry estimates.

## Weather

UK TODAY

CLOUDY, some wind and showers, but warm. London, S., SE., N.W., and N. England, Midlands, Channel Islands, Lake District

Cloudy, some wind, sunny intervals, but drizzle. Max. 20 C.

E. Anglia, E. and N.E. England

Cloudy, cool, some drizzle and winds. Max. 17 C.

Wales, S.W. England, Isle of Man, S.W. Scotland, Argyll, N. Ireland

Dry, cloudy with winds and sunny intervals. Max. 21 C.

Borders, Glasgow, Highlands, N.W. Scotland

Warm, but some wind and drizzle. Max. 19 C.

Edinburgh, Dundee, Aberdeen, Moray Firth, N.E. Scotland, Orkney, Shetland

Cloudy, some wind and sunny intervals. Max. 15 C.

Outlook: Mainly dry, with cloud and sunny intervals.

Y/day midday Y/day midday

Alcester F 20 65 Loughor F 24 75

Aylsham F 20 65 London G 20 68

Austens S 27 61 Luxembourg S 19 66

Bath S 28 62 Luton S 19 100

Belfast S 16 61 Majorca S 27 81

Balgod S 26 77 Malaga S 27 77

Berlin S 17 63 Malta S 28 82

Blaenau Gwent S 22 72 Mauritius S 28 92

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